# Bioscience Colorado Colo

2021 - 2022

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# Bioscience Colorado C

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### A LETTER FROM OUR BOARD

### DEAR CBSA MEMBERS & SUPPORTERS.

By all measures, our life sciences community is growing and maturing. Entrepreneurial and established companies are choosing Colorado for launches and expansions. Global organizations are deepening their investments in Colorado. Our Colorado-grown companies are continuing to raise capital at a record pace. Academic and research institutions and companies at all stages of commercialization are attracting major federal grants. Members of our ecosystem are going public. Experienced founders with successful exits on their resumes are launching new ventures. Companies are reaching notable regulatory and product development milestones. New construction is underway on facilities to support research, development, and manufacturing. These accomplishments come as our ecosystem continues to take on the pandemic and develop new breakthroughs despite the challenges of COVID-19.

Our BioScience Colorado Magazine theme, Innovation Forward, illustrates this resilience and momentum. Every member of our community contributes to this exciting trajectory. CBSA is proud to lead the way with co-opportunity. That's our commitment to build a collaborative, pro-innovation environment for life sciences in Colorado.

In this edition of our annual magazine, we share the successes of innovators who navigated COVID-19 to launch new products and serve patients. We highlight the leaders of Colorado's recent headline-making deals and learn about new initiatives led by serial founders. We follow the progress of companies that received Advanced Industries Accelerator Grants at critical moments. Additionally, we introduce the early-career researchers named to the newest class of Boettcher Investigators.

The CBSA team and board are proud to champion Colorado's life sciences community. We celebrate your work to save and change lives around the world.

Innovation Forward,

### **Bob Reddy**

Board Chair (2020-2022)

Vice President, Global Marketing, Medical Education and Training Medtronic Enabling Technologies

### Kiki Traylor, M.D.

Board Vice Chair and Incoming Chair (2022-2024)
Director, State Government Affairs
Amgen



info@cobioscience.com

cobioscience.com



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Director, State Government Affairs
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**COVID-19 TESTING** 

### Opening Doors Across America

Biodesix WorkSafe Programs support workplaces, educational institutions, and communities with customized COVID-19 testing programs to return.

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# FUTURE FORWARD

HEALTH
INNOVATORS
LAUNCH
INVENTIONS
PROMPTED
BY THE
PANDEMIC

BY JEANNE MCADARA, Ph.D.

hroughout human history, even the greatest threats to human life and wellbeing have spurred innovation, creativity, and a heroic drive to overcome the challenge of the moment and secure a safer future. Faced with the sudden, urgent call of the COVID-19 pandemic, members of Colorado's life sciences community stepped up to save lives, adapt to the unanticipated burdens on our healthcare workers and systems, and, ultimately, curb the impact of COVID-19 on global public health. The success of these breakthroughs, a few of which are shared below, are sure to last long beyond this pandemic.

### Darwin Biosciences Starts Up and Makes a Difference

It was early March 2020. Nicholas Meyerson, Ph.D., had just co-founded a new company to develop a new diagnostic technology with Sara Sawyer, Ph.D., a Professor at the University of Colorado Boulder's BioFrontiers Institute and the Department of Molecular, Cellular, and Developmental Biology, and two other colleagues.

"I'd been working with Sara as a postdoc, and our group had developed this novel method for detecting the body's earliest responses to infection, before a patient feels sick," says Meyerson. "The advice we heard was, 'if you think you have a great idea, start a company to make it a reality.""

Under the stewardship of Venture Partners at CU Boulder, Meyerson, Sawyer, and their partners did just that, founding Darwin Biosciences (Boulder) to develop the Sick Stick, a disease-agnostic, saliva-based test to detect generalized onset of infection.

"And two weeks later, the country shut down," says Meyerson, now Darwin's CEO. "We faced the prospect that funding would dry up. At that point, a two-week-old biotech company didn't seem like such a great idea."

Shock turned into action. Meyerson and his co-founders quickly saw an unmet need that Darwin could solve. "There was a huge shortage of COVID-19 testing capability, and results were taking a week," recalls Meyerson. "Meanwhile, people were unknowingly becoming infected and spreading it in the community. Our test is easy to perform without complicated laboratory space and we get an answer in 40 minutes."

With support and seed money from Venture Partners at CU Boulder and CU's New Venture Challenge Award, they adapted their technology to create a turnkey solution to COVID-19 testing, CoVLab, which was

implemented at educational institutions around Colorado. Part of that technology was also coopted by CU Boulder to test tens of thousands of students for the virus over the course of the year.

at CU Boulder funded a saliva-based infection test developed by Darwin Biosciences.

Meyerson credits the support of Venture Partners at CU Boulder, the highly adaptable and dedicated personnel at Darwin Biosciences, and the broader life sciences ecosystem for his team's success in bringing the effort online rapidly under such high-pressure circumstances.

Brynmor Rees, the Assistant Vice Chancellor for Research & Innovation and a Managing Director of Venture Partners at CU Boulder

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### "THIS WON'T BE THE LAST PANDEMIC; THE QUESTION IS, WILL WE BE MORE PREPARED FOR THE NEXT ONE?"

- BRYNMOR REES, MANAGING DIRECTOR, VENTURE PARTNERS AT CU BOULDER

BIOSCIENCECOLORADO 2021-2022







Kimberly Muller, Esa. CU Innovations



Richard Zane, M.D. CU School of Medicine and UCHealth



Raymond Goodrich, Ph.D. Colorado State University

says, "What we learned out of this—and Darwin Biosciences is a good example—is that innovations like vaccines and diagnostics can be accelerated to market when the urgency is clear. Coming out of this year, we have greater public understanding of how pandemics work, better public health surveillance systems, and more capital resources. This won't be the last pandemic; the question is, will we be more prepared for the next one?"

### **UCHealth Builds an Infrastructure** of Preparedness

As COVID-19 threatened to overwhelm healthcare capacity all over the nation and the globe, an enormous challenge for hospital and healthcare systems emerged—how to suddenly move almost all non-emergent patients to remote care.

That was no small task, according to Kimberly Muller, Esq., Executive Director at CU Innovations (University of Colorado Anschutz Medical Campus, Aurora). "UCHealth is a 12-hospital system spread across seven states. And when March hit, we had to go from full capacity to a total shutdown. In 48 hours, we had to start delivering care to patients who couldn't come in person."

Richard Zane, M.D., is a Professor and the Chair of the Department of Emergency Medicine at CU School of Medicine and the Chief Innovation Officer for UCHealth. He says that UCHealth's forward-thinking culture helped the system successfully navigate the abrupt changes.

UCHealth's pre-pandemic investments created new ways to care for patients when and where they needed it. Alternatives to in-person visits included electronic communication, texting, and telehealth.

"We use technology deliberately and judiciously to make care seamless for the patient and the provider, whether it is in person or not in person, synchronous or asynchronous," says Zane. They wanted every patient—even those being monitored remotely for serious chronic conditions like diabetes, heart failure, asthma, or emphysema—to have the same relationship with their care team no matter where they were.

As part of this effort, the organization had begun a directed effort to develop and implement a robust, seamless, and intuitive electronic health record (EHR) that would facilitate and enhance provider workflows and the patient experience.

"All of the infrastructure we had put in place allowed us to scale up very rapidly," says Zane. "We had to add workstations, but we didn't have to implement a single new process, device, or technology that we didn't already have in place."

It was a massive transformation in real time. 'We went from a few hundred telehealth visits per day before pandemic restrictions began, to thousands per day at the peak," says Zane. "But we were able to care for our patients by offering them an alternative to coming in that was, in many cases, just as good."

Zane believes that the lessons learned and changes made during the pandemic will have a lasting effect on how UCHealth delivers care. "This has been what I call one of those 'never go back' events," he says. "As in, I doubt we will go backwards from using remote care and virtual visits when the patient and the provider both feel it's appropriate to the specific situation."

### **CSU Focuses on Disease Readiness**

"COVID-19 is the virus we have to solve today, and it will likely be with us for a long time," but it won't be the last, according to Raymond Goodrich, Ph.D., Executive Director of the Infectious Disease Research Center and Professor in the Department of Microbiology Immunology, and Pathology at Colorado State University (Fort Collins).

Goodrich currently heads the effort to develop a process for rapid vaccine production called SolaVAX™. Using this process, pathogenic virions are treated with riboflavin which, when exposed to UV light, acts as an "endogenous photosensitizer." Unlike standard chemical inactivation processes, UV-activated riboflavin selectively targets nucleic acids while leaving proteins and other macromolecules intact, with native conformations. Thus, SolaVAX renders viruses incapable of replication, but able to present a native set of antigens to the body's immune system. An advantage of this approach, says Goodrich, is that the resulting vaccines display a diverse array



Funding from BARDA and the NIH supports CSU's work to develop the SolaVAX® vaccine.

of viral immunogens rather than a single, isolated protein fragment, giving the body more options for response.

Just before COVID-19 began sweeping the globe, Goodrich's team at CSU was pursuing international collaborations to study the utility of SolaVAX for creating a vaccine against African swine fever. This livestock disease wreaks havoc on the nutritional and economic wellbeing of the developing world's populations. The collaboration had just produced its first batch of test vaccines when the pandemic changed everything. Given the circumstances, the team pivoted to join the global fight against COVID-19.

Goodrich and his CSU colleagues developed a virus-sensitive hamster model for preclinical

testing, characterized the immune response to the virus and to various candidate vaccines, investigated the nature of the modifications being generated, and tracked responses to viral variants. Results to date have been encouraging.

"We've been very fortunate to receive generous funding from BARDA and the NIH," says Goodrich. "We have reached key preclinical milestones and are now working toward an IND application and a Phase I clinical trial, using cGMP material produced at CSU's BioMARC contract development and manufacturing facility."

Goodrich says that there will always be a need to innovate and develop novel approaches to disease prevention. He points out that

the mRNA and adenovirus vaccines at the forefront of the COVID-19 effort didn't appear out of nowhere; the methods behind them had been developed in response to earlier threats, such as Ebola, Dengue fever, and Zika virus. Groundwork there enabled their rapid deployment against COVID-19.

"We live in a world in which the dynamics for agriculture, food distribution, travel, migration, and population growth make it ever easier for diseases like COVID-19 to emerge and affect human populations," says Goodrich. "SolaVAX is the next example of an emerging technology platform—developed in response to today's threats—that will help solve new ones as they emerge in the future."

"WE LIVE IN A WORLD IN WHICH THE DYNAMICS FOR AGRICULTURE. FOOD DISTRIBUTION, TRAVEL, MIGRATION, AND POPULATION **GROWTH MAKE IT EVER EASIER** FOR DISEASES LIKE COVID-19 TO EMERGE AND AFFECT **HUMAN POPULATIONS.** 

- RAYMOND GOODRICH, PH.D. **EXECUTIVE DIRECTOR INFECTIOUS DISEASE RESEARCH CENTER** 





### BY KAREN BROWN

uccess is often a matter of the right idea at the right time. Colorado's Office of Economic Development and International Trade



(OEDIT) funds life sciences success through the Advanced Industries Accelerator Grant Program. This critical source of non-dilutive capital allows companies to translate ideas into life-saving products and services, ultimately leading to job creation, new company formation, and follow-on investments.

Thanks to a \$250,000 Advanced Industries Early-Stage Capital and Retention Grant, awarded by OEDIT in 2014, patients may soon get answers in minutes from vital medical tests performed in their doctor's office.

LightDeck Diagnostics, then known as MBio Diagnostics, formed in 2009 and began working with University of Colorado Boulder researchers to develop a test that could detect latent versus active forms of tuberculosis. As part of that project, the company developed a simple test device, consisting of plastic test strips impregnated with reactive biological materials.

Ultimately, the research could not differentiate between latent and active tuberculosis, but MBio Diagnostics realized the test strip device could be used to detect a wide range of biomarkers, positioning it as a diagnostic game-changer. The company applied for and won a \$250,000 Advanced Industries Early-Stage Capital and Retention Grant to develop the product. Effectively, Colorado was placing a big bet on the device concept.

"We had some good validation data, but not a ton—and certainly not enough to say we're ready to be a product on the market," says

Chris Myatt, Ph.D., who founded the company and served as its CEO. "And they said, 'Yeah, let's see if we can push this forward."

It paid off. The grant money funded clinical studies. A research paper followed that generated commercial interest. Prospective customers realized, "Wow. This technology could do a ton," Myatt says. "And sure enough, that's where we are today. We're out on the market with veterinary, we're out on the market with environmental testing, and we are just about to launch into the human testing arena."

Indeed, the company has grown from a dozen employees to more than 100, and it has generated about \$80 million in revenue. In July 2020, MBio Diagnostics acquired Brava Diagnostics (Boulder) and changed the company name to LightDeck Diagnostics.

"Getting that funding at the right time is a great theme," says Myatt, who now leads LightDeck Diagnostics as Founder and Chief Innovation Officer, adding that the Advanced Industries Accelerator Grant "was a validation step. This technology has been reviewed dozens of times and found to be really attractive. That catches people's attention."

# PROSPECTIVE CUSTOMERS REALIZED, 'WOW. THIS TECHNOLOGY COULD DO A TON.'"

FOUNDER & CHIEF INNOVATION OFFICER LIGHTDECK DIAGNOSTICS



BIOSCIENCECOLORADO

### GATES BIOMANUFACTURING FACILITY

(FITZSIMONS INNOVATION COMMUNITY, AURORA)

The Gates Biomanufacturing Facility (GBF), opened in April 2015, is one of the few custom Good Manufacturing Practice (cGMP) facilities located on a major academic research and clinical campus in the western United States with the capacity to manufacture both protein- and cell-based therapies. A partnership among the Gates Center, University of Colorado Anschutz Medical Campus, University of Colorado School of Medicine, Children's Hospital Colorado, University of Colorado Health, and the Gates Frontiers Fund, the GBF's mission is to accelerate medical breakthroughs and commercialize them.

Groundbreaking research requires significant funding to eventually save or change patient lives. Thankfully, GBF had help from two state grants. The first was a 2015 Advanced Industries Collaborative Infrastructure Grant to support the work of Dennis Roop, Ph.D., the center's Director as well as a Professor of Dermatology at CU Anschutz. Roop was working on new gene therapies for Epidermolysis Bullosa (EB), a disease that causes severe skin blistering and scarring with just the slightest touch. Children born with EB rarely live beyond age 20.

Armed with the GBF's research resources and the grant money, Roop developed a treatment using CRISPR-cas9 gene editing to modify a patient's skin cells, which are then grown into grafts and transplanted back to the patient.

The grant "really got Dr. Rupp going. Our facility is a case study on what the infrastructure grant was all about," says Matthew Seefeldt, Ph.D., GBF's Executive Director. GBF started with about 10 to 12 researchers, and "we are now a 45-person organization with a goal of translating therapies both at the University of Colorado as well as in the state of Colorado."

More state support came in 2019, when GBF received a \$150,000 Advanced Industries Collaborative Infrastructure Grant to support research into Tumor Infiltrating Lymphocytes (TIL) and upgrade GBF's infrastructure to qualify as custom Good Manufacturing Practice (cGMP) facility.

In return, GBF has proven more than worthy of state investment, generating \$5 to \$7 million in revenue annually.

"We have a little niche where we really help, and I think that's a significant value-add to the Colorado infrastructure," Seefeldt says, adding that the GBF and the state grant program have a similar goal, "which is to make sure that we have a bed that is there for some of these early-stage startups to nest."

### "OUR FACILITY IS A CASE STUDY ON WHAT THE INFRASTRUCTURE GRANT WAS ALL ABOUT."

- MATTHEW SEEFELDT, PH.D.
EXECUTIVE DIRECTOR
GATES BIOMANUFACTURING FACILITY



State funds supported the Gates Biomanufacturing Facility's work to qualify as a Custom Good Manufacturing Practice (cGMP) facility.







An Advanced Industries Accelerator Grant gave CEO Steven Roy and VetDC critical early funding to develop Tanovea-CA1.

### VETDC (FORT COLLINS

Founded in 2010, VetDC is leading the fight against cancer in pets. Thanks in part to the Advanced Industries Accelerator Grant Program, it is winning.

It all started in 2011, when VetDC licensed a novel lymphoma treatment from Gilead Sciences. While originally intended only for humans, in trials it was tested on dogs, with positive results.

"The task that we had ahead of us was to get this drug approved through the animal version of the FDA, but we needed to raise money to get there," says VetDC Founder & CEO Steven Roy, M.B.A. As with human drugs, gaining FDA approval for animal drugs is an "incredibly time-consuming and extensive process."

Help came from a \$250,000 Advanced Industries Early-Stage Capital and Retention Grant from OEDIT, awarded in 2013. "The funding was super critical for us. It also helped us raise additional capital with investors," Roy says. "I look at it as the kickstart. And it was the support of the state, and desire to see companies like ours do big things like this, and hopefully be successful. And ultimately we were."

Indeed, in 2016, TANOVEA®-CA1 was the firstever drug to receive conditional approval from the FDA for the treatment of canine lymphoma.

VetDC got a second funding infusion in 2017, when partner Colorado State University was awarded a \$140,000 Proof-of-Concept grant to develop VDC-597, a small-molecule drug acquired from another biopharma company. Armed with that funding, VetDC and CSU researchers have started trials. The results are helping the company, which now counts seven employees, understand the utility of this drug in different cancers, Roy says.

Overall, the two grants offered funding opportunities at key moments and validated VetDC's technology. Roy notes that potential investors were understandably wary of the challenges facing drug manufacturing or regulatory approvals, so having OEDIT grant support is "critical in that way, because it shows a backing. Industry experts have looked at this and said 'Yes, they can make this work and be successful.""

In 2021, U.S. Food and Drug Administration fully approved Tanovea for the treatment of lymphoma in dogs. The drug was acquired by Elanco Animal Health.

"THE FUNDING WAS SUPER CRITICAL FOR US. IT ALSO HELPED US RAISE ADDITIONAL CAPITAL WITH INVESTORS."

- STEVEN ROY, M.B./ FOUNDER & CEO VETDC

A \$250,000 Advanced Industries Early-Stage Funding from the Advanced Industries Capital and Retention Grant from OEDIT, awarded in 2015, became the funding acorn Mighty Oak needed to grow its medical device development business.

Mighty Oak was founded in 2011 by Heidi "We knew we had it to the point where it was Frey and her husband, George Frey, M.D. A spinal surgeon and inventor with more than 50 medical patents to his name, Dr. Frey had developed Firefly®, a custom, 3D-printed guide to help spinal surgeons accurately place anchor screws. Heidi Frey set aside a career as a lawyer to become the company's president.

Mighty Oak faced the daunting task of moving Firefly from concept to approved commercial medical product. It was Heidi and George Frey's first experience with the FDA approval process, "so a huge learning curve," Heidi Frey

MIGHTY OAK HAS GROWN FROM

TWO EMPLOYEES TO ALMOST 30

**BUSINESS PLAN TO HELP OTHER** 

AND LAUNCH MEDICAL DEVICES.

SPINAL SURGEONS DEVELOP

AND HAS EXPANDED ITS

Accelerator Grant Program could not have come at a better time, as it financed the validation research and testing required to register Firefly and gain 510(k) clearance from the FDA.

ready for that, and that would be an expensive process where we needed consultants and people to assist us," she says. "That initial grant was enormously helpful for us to do the cadaver labs that were required and hire the consultants to go through that whole process."

Mighty Oak won 510(k) clearance in January 2016, and in 2018 received a second 510(k) clearance for use in additional spinal procedures. Meanwhile, Mighty Oak has grown from two employees to almost 30 and has expanded its business plan to help other spinal surgeons develop and launch medical devices.

### launched their company in 2011.

Mighty Oak Medical President Heidi Frey and her

husband, physician-inventor George Frey, M.D.







An Advanced Industries Accelerator Grant provided needed capital for Mighty Oak Medical to achieve FDA 510(k) approval of its Firefly® device.

### SUCCESS MEASURES

### ADVANCED INDUSTRIES ACCELERATOR GRANTS DELIVER ROI

The Advanced Industries Accelerator Grant Program is a critical source of non-dilutive funding for Colorado's life sciences ecosystem. It demonstrates a significant return on investment, delivering value back to the state through company creation and high-paying jobs.

Since inception, the program's ROI for life sciences alone includes:



500+ GRANTS



1,022 JOBS



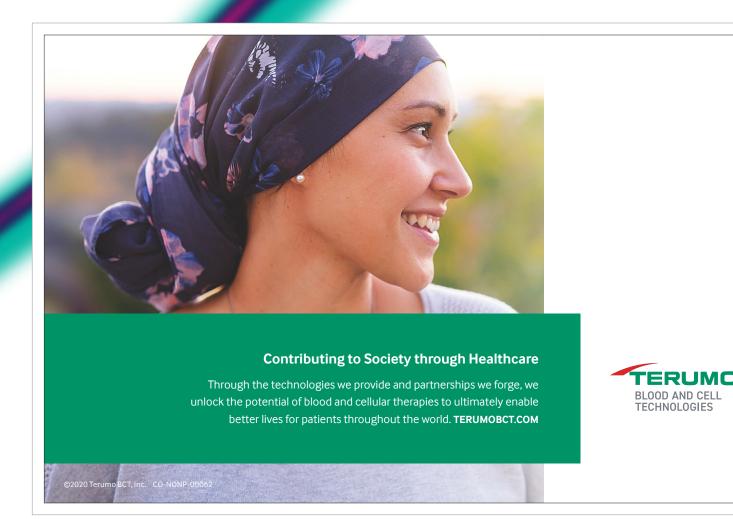


\$1 BILLION IN FOLLOW-ON CAPITAL

CBSA's Policy + Advocacy team works with our partners at Colorado's Office of Economic Development and International Trade (OEDIT) and the state legislature to preserve and grow the program.







### ADVANCED INDUSTRIES ACCELERATOR GRANTS

### 2020 EARLY-STAGE CAPITAL RETENTION GRANT RECIPIENTS

Companies receive up to \$250,000 to create or manufacture viable products in Colorado to export globally.

### BIOTECHNOLOGY & PHARMACEUTICAL

### **Allander Biotechnologies**

Allander Biotechnologies is developing a protein therapeutic to treat patients suffering from inflammatory disorders with unmet medical needs. The company's initial topical therapy will help cancer patients suffering from oral mucositis, a debilitating side effect of their cancer therapy that can limit their ability to receive the most efficacious treatment.

### **AmpVision**

AmpVision is a Colorado company in the business of preventing blindness. Every day in the industrialized world, age-related macular degeneration (AMD) patients receive painful eye injections to prevent blindness.

### **Cetya Therapeutics**

Cetya was formed to develop therapies based on largazole for the treatment of cancer and hemoglobinopathies.

### Crestone, Inc.

Crestone, Inc. is a biopharmaceutical company focused on inventing and developing antibacterial agents with a novel mechanism of action to treat serious bacterial infections.

### **Neurexis Therapeutics, Inc.**

Neurexis Therapeutics was formed in 2020 to develop a neuroprotective drug for the prevention of neuronal damage resulting from inadequate oxygen supply to the brain caused by stroke, cardiac arrest, or other insults.

### **SiVEC Biotechnologies**

SiVEC Biotechnologies' core-enabling technology is a delivery system for nucleic acid (NA) drugs. This delivery system uses engineered nonpathogenic bacteria for tissue targeted delivery of large NA payloads. Our system provides a large therapeutic window, long-term payload stability and tissue targeted delivery with a favorable safety profile demonstrating no toxicity or immunogenicity concerns to date.

### STAQ Pharma, Inc.

STAQ is a large, highly automated, cGMP manufacturer that makes compounded medications in prefilled syringes for hospital procedures.

### VitriVax

VitriVax is commercializing a vaccine formulation platform developed at the University of Colorado Boulder. The technology allows virtually any injectable vaccine to be made thermostable, and to combine multiple vaccine doses (prime and boost) into a single injection with timed release.

### **Watchmaker Genomics**

Watchmaker Genomics specializes in the design, development and production of DNA- and RNA-modifying enzymes that enable high-growth applications in genomics, molecular diagnostics, and personalized medicine. Watchmaker is developing novel protein engineering and manufacturing platforms to create best-in-class, proprietary reagents for the reading, writing, and editing of DNA.

### MEDTECH

### **Exum Instruments**

Exum Instruments has designed and produced a revolutionary mass spectrometer and is accepting commercial orders. A mass spectrometer is a sophisticated analysis device that is used to determine the elemental composition of materials.

### Impressio, Inc.

Impressio is the first and only company to develop and market a safe helmet liner using a patented energy-absorbing material and state-of-the-art additive manufacturing to 3D-print player or user-specific helmet liners to reduce concussion and protect the head. This new approach has the potential to be used for any helmet technology to improve safety (such as football, military, and bike helmets).

### **Momentum Optics**

Momentum Optics is leveraging semiconductor processing techniques to develop an innovative manufacturing technology capable of producing optical components about 10X less expensively and 5-10X faster than traditional methods. Momentum Optics solves the problem of long lead-times for custom optical lenses, a pain point for many companies as they seek a first-to-market advantage in an effort to capture early market share and create brand awareness.

### Quorum Orthopedics, Inc.

Quorum brings state-of-the-art technology and personalized service to anyone in need of prosthetic or orthodic devices to improve their mobility. With a wide range products tailored to individual needs and an all-inclusive clinic, Quorum provides patients with the maximum and highest quality mobility possible.

### SafeSpout, Inc.

Spout is the most accurate lead test for in-home drinking water, accurately detecting total lead concentrations

well below 1 part-per-billion. Spout is a subscription-based, IoT device that utilizes single-use test cartridges. It establishes consumer confidence in the water that they drink; democratizes aggregated community data; connects consumers with mitigation solutions; accelerates lead service line replacement initiatives; and supports corporate sustainability programs.

### Transverse Medical, Inc.

Transverse Medical Inc. has developed the POINT-GUARD™ device to address the costly clinical unmet need for complete stroke protection for the patient's brain during Transcatheter Aortic Valve Replacement procedures.

### **Xtract Medical**

Xtract Medical has built and patented a disruptive technology in stroke treatment that significantly improves patient outcomes, fits with existing catheters, and simplifies the surgeon's life.

### DIGITAL HEALTH

### **BioLoomics**

BioLoomics is developing an innovative platform to profile pharmaceutical drug effects by combining genetic engineering of fluorescent biosensor-containing human cell lines in culture, cellular imaging, and machine learning to rapidly asses the on and off target effects of drugs.

### cliexa

cliexa is a modular digital intake and remote monitoring platform with clinical assessments, connected device data, payor claims data, and medication adherence. cliexa's integration services and rules engine connects fully supports bi-directional EMR integration, enabling custom clinician alerts, patient notifications and reminders to engage patients with their treatment plans while providing clinical and compliance metrics for documentation and quality reporting.

### **Skyland Analytics**

Skyland Analytics develops cloud-based data management software for drug manufacturers. Drug companies are universally reliant on paper records an spreadsheets for the management of critical data and on third parties for drug development and production. The Skyland PIMS data collaboration platform enables customers to cohere paper, spreadsheet, and digital data throughout the supply chain while meeting FDA guidelines for data integrity, and data visibility between drug owner and their manufacturers.

### AG BIO

### Emergy, Inc.

Emergy Foods has developed a proprietary process to produce food ingredients and finished goods made from fungal mycelium. The process is highly efficient and sustainable, using 2% of the land, water, and energy compared to traditional agriculture practices.





### **CONTACT:**

Michael Ehrman • 303.487.4260 michael.ehrman@mittera.com

Specializing in print communications for the BioScience and Pharmaceutical community, Mittera is one of the country's leading providers of print, mail and marketing services.









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### 2020 PROOF-OF-CONCEPT GRANT RECIPIENTS

Investigators at Colorado research institutions are awarded up to \$150,000 to speed up promising research and commercialize products and services with the private sector.



University of Colorado Denver

### **University of Colorado Denver**

### Maria Valeria Canto-Soler, Ph.D.

Advanced biomaterial systems for stem cell-derived retinal transplants.

### Cem Altunbas, Ph.D.

An ultracompact CT scanner for point-of-care imaging.

### Jay Hesselberth, Ph.D.

Methods to measure functional heterogeneity among single cells.

### Tom Flaig, M.D.

Multifunctional nanoclusters for detection and treatment of bladder cancer.

### Devatha Nair, Ph.D.

Oral biofilm disruption and selective inhibition of S. mutans biofilms.

### Kimberley Bruce, Ph.D.

LPL activators as novel therapeutics for AD.

### Maria Nagel, M.D.

Repurposing Neurokinin-1 receptor antagonists to treat varicella zoster virus infection.

### Zhirui Wang, Ph.D.

IL2-CCR4 bispecific immunotoxin targeting cutaneous T-cell lymphoma.

### Kristine Kuhn, M.D., Ph.D.

Novel inhibitors of trimethylamine lyase for the treatment of rheumatoid arthritis.

### Cristos Ifantides, Ph.D.

iSense: A first-in-class therapy for insufficient pupil dilation.



### National Jewish Health - Technology Transfer Office

### Michael Strong, Ph.D.

Rapid whole genome sequencing diagnostic for nontuberculous mycobacterial infections.

### Anthony Gerber, M.D., Ph.D.

Small molecule discovery to augment expression of the anti-inflammatory ubiquitin editor, A20.

### Sanny Chan, M.D., Ph.D.

Quantifying exposure levels to dog-specific allergens.

### Tasha Fingerlin, Ph.D.

Enabling comprehensive diagnosis of sub-acute infection in chronic respiratory disease via high sensitivity next generation sequencing.



### Colorado State University Ventures. Inc.

### Kathryn Wotman, D.V.M.

Development of a novel topical ocular immunotherapy for the treatment of viral diseases of the eye.

### Christian Puttlitz. Ph.D.

Direct electromagnetic coupling for diagnostic prediction of fracture healing.

### Garret Miyake, Ph.D.

Dihydroacridine organic photocatalysts for light-driven synthesis of medicinally important small molecules.

### Charles Henry, Ph.D.

Composite carbon electrodes for biosensing and energy storage applications.

### Thomas Hansen, Ph.D.

Molecular marker for embryo quality and embryo transfer success.



### **University of Colorado Boulder**

### Christopher Lowry, Ph.D.

Lead compound discovery from environmental mycobacteria strains for treatment of PTSD.

### Sara Sawyer, Ph.D.

Sickstick is an inexpensive at-home test that will indicate whether someone has been infected with a virus or bacteria.

### Rafael Piestun, Ph.D.

Development of an instrument (ultrathin endoscope or UTE) that provides scientists and medical doctors with imaging and photo-therapy capabilities for currently inaccessible regions of the body.

### Roy Parker, Ph.D.

PARN as a target for treatment of specific categories of human cancers.

### Xuedong Liu, Ph.D.

Programmable gectosomes for delivery of therapeutic nucleic acids and proteins.

### Min Han, Ph.D.

Transformative treatment of anemia: using enterobactin to enterobactin to relieve adverse side effects caused by iron supplementation.



COLORADOSCHOOLOFMINES.
EARTH • ENERGY • ENVIRONMENT

### Colorado School of Mines - Office of Technology Transfer

### Nils Tilton, Ph.D.

Prototyping smart spacers for improved water treatment.

### Fred Sarazin, Ph.D.

Treatment of non-melanoma skin cancer using radioactive film therapy (RAFT).

### Terry Lowe, Ph.D.

Cost-effective manufacturing for an impact-absorbing hybrid material system to prevent sport injuries.

# COLORADO

FOUNDERS CHOOSE COLORADO'S COLLABORATIVE ENVIRONMENT FOR NEW VENTURES

ature, vital, and self-sustaining ecosystems are characterized by diversity, by mutualism and interdependency, by resilience, and by generational succession, with founders recombining and passing on their prosperity to future generations. Colorado's life sciences ecosystem is no different. Our newest startups represent a new generation ready to carry the success forward.

### Fine-Tuning Stem Cells to Fight Drug-Resistant Infections

Validus Cellular Therapeutics (Fitzsimons Innovation Community, Aurora) is a pre-IND stage company investigating the use of activated mesenchymal stem cells (MSCs) to overcome drug-resistant biofilm infections associated with surgery, implanted medical devices, and pneumonia. These low-grade, chronic infections evade the immune system, affecting patients' health and the integrity of implanted devices and artificial joints.

Co-Founder and now CEO Ethan Mann, Ph.D., M.B.A. was seeking his next venture after the acquisition of Sharklet Technologies (Aurora) by Peaceful Union (Hangzhou, China). Mann was eager to combine his entrepreneurial interests, his scientific training in microbial biofilms, and advances in the burgeoning field of cell therapy.

"There's a movement in oncology to leverage the innate capacity of stem and immune cells to deliver therapeutic potency in new ways, while mitigating off-target effects," says Mann. "My question was, is anyone looking at this for device-associated infections? If we can find a way to stimulate the innate immune system to recognize and attack biofilms, we could reduce morbidity and the need for aggressive interventions."

As it turns out, preliminary work using activated MSCs against microbial organisms was already under way in the laboratory of veterinary scientist Steven Dow, D.V.M., Ph.D., Professor in the Department of Clinical Sciences and Director of the Center for Immune and Regenerative Medicine at Colorado State University. Together, Mann

and Dow co-founded Validus in 2019 to develop and commercialize those discoveries.

Mann says that the collaborative nature of Colorado's ecosystem provides just the kind of environment that small companies like Validus need to thrive

"Startups need feedback on the science, on approaches to financing, on clinical trial design, and on commercialization strategies to deliver returns on investors' money," says Mann. "We've received so much help out of CSU and the Fitzsimons Innovation Community as well as from numerous individuals and groups out of Colorado's universities, the Colorado BioScience Association, incubator hubs like Innosphere, and other companies. The advice and collaborations have been tremendously helpful in getting Validus off the ground."



Ethan Mann, Ph.D., M.B.A. CEO Validus Cellular Therapeutics



### **Creating Next-Generation Cancer Treatments with Medicinal Chemistry**

A common theme among many of this most recent batch of startups appears to be that of improving on existing technologies to better realize their true value and utility. Enliven Therapeutics (Boulder) is pursuing that aim through the creation of optimized cancer therapeutics. According to Enliven's Co-Founder & CEO, Sam Kintz, M.B.A., an urgent unmet need in cancer care is the development of treatments that come without the traditional trade-off between therapeutic efficacy and tolerability.

"Current chemotherapies confer a survival benefit," says Kintz, "but they sicken patients in other ways, with questionable holistic benefit. We want to treat tumors effectively while making the patient feel better at the same time."

Kintz's team represents renowned medicinal chemists from venerable biopharmaceutical companies in the San Francisco Bay Area but traces its origins back to Array Biopharma (Boulder), which was acquired by Pfizer (New York) in 2019. The team, which includes veterans

from Array, is working to develop small-molecule, targeted cancer therapies according to a paradigm the company calls "chemistry-led precision oncology." Enliven's scientists concentrate on tumor types for which a genetic driver of disease has already been well characterized. They use medicinal chemistry techniques to create libraries of small molecules, screening for candidates that engage or inhibit that target with a wider therapeutic window compared to chemotherapies or first-generation targeted therapies.

"Instead of trying to bring novel classes of therapies to market, our goal is to create follow-on, best-in-class molecules designed to preserve or improve on efficacy, overcome treatment resistance, and increase tolerability."

Kintz says this is important even for targeted therapies that elicit profound responses, "because as patients live longer, they stay on these treatments for longer, so the bar for tolerability has to go higher. We want to improve the pharmacokinetics of efficacious therapies to push survival even farther."

### "WE WANT TO TREAT TUMORS EFFECTIVELY WHILE MAKING THE PATIENT FEEL BETTER."

BY JEANNE MCADARA, PH.D.

- SAM KINTZ, M.B.A. CO-FOUNDER & CEO ENLIVEN THERAPEUTICS





Sam Kintz, M.B.A. Co-Founder & CEO Enliven Therapeutics

### **Bringing Precision Genome Engineering to Human Cells**

Artisan Bio's roots in Colorado run deep. Artisan (Louisville) was co-founded by serial collaborators Tanya Warnecke, Ph.D., and Ryan Gill, Ph.D., whose careers have intersected repeatedly beginning when Warnecke was a graduate student in Gill's laboratory at University of Colorado Boulder.

"Ryan and I are both genome engineers by nature," says Warnecke, explaining the pathway that ultimately led from Gill's lab to Artisan. Her early career began at OPX Technologies (Boulder), where she genetically retooled the metabolism of common microbes to produce industrial biochemicals and biofuels. From there, she joined Gill as the founding CTO at his new venture, Inscripta (Boulder). The team built out Inscripta's technology platform for multiplexed digital genome engineering of microbial organisms, based on foundational discoveries made in Gill's lab at CU Boulder.

Nordisk Foundation Center for Biosustainability (Copenhagen, Denmark), where Gill had been named a Laureate Fellow, and it was there that Artisan got off the ground.

"We took a step back to assess the state of genome engineering and CRISPR technology, and where our expertise in this area could add the most value for human health," says Warnecke. "Ultimately, we recognized that the promise of emerging cell therapies is limited by current viral processes, which offer very little real control or precision over the output. We knew we could bring together the knowledge we had applied in our previous roles to improve

Now Artisan's President & CTO, Warnecke says that the company used seed funding from two large partnerships to begin building out the technology workflows and platform tools for multiplex genome editing of human cell lines.



Tanya Warnecke, Ph.D. President & CTO Artisan Bio



"THERE IS A HUGE TALENT POOL AND A LOT OF PARTS AND PIECES MOVING IN **COLORADO THAT ARE PUTTING OUR** STATE INTO THE CELL THERAPY SPACE."

- TANYA WARNECKE, PH.D. PRESIDENT & CTO

Subsequent venture funding has enabled Artisan **ARTISAN BIO** Later, they served together at the Novo products that punctuate your research. HUMAN-DERIVED BIOMATERIALS essen. primary cells research tissue scaffold materials essent. explore our product portfolio at ESSENTBIOLOGICS.ORG | 855.953.CELL

to turn its focus to developing and commercializing a portfolio of internal products.

"Our goal," says Warnecke, "is to leverage precision engineering to create cell therapy products that are superior from a therapeutic standpoint, from a safety perspective, and a cost perspective. There is a huge talent pool and a lot of parts and pieces moving in Colorado that are putting our state into the cell therapy space."

### **Sourcing Biologic Raw Materials** for Cellular Therapy R&D

Essent Biologics (Centennial) is a nonprofit biotechnology company specializing in sourcing living, human-derived biomaterials to facilitate cell therapy and regenerative medicine research and product development. The company's initial product offerings include low-passage, primary, adipose-derived human MSCs, flash-frozen donor-matched origin tissue as a companion product to isolated primary MSCs, and demineralized allograft bone matrix.

According to Executive Director Corey Stone, M.B.A., P.M.P., the multi-lineage plasticity and unique secretory and anti-inflammatory profile of MSCs make them an attractive potential tool for developing cellular

therapies, with the matched donor tissue facilitating deep genomic, transcriptomic, epigenomic, proteomic, and ultrastructural analyses to complement the cell biology

"Our service offerings are flexible to our customers' needs," says Stone. "Some iust want cell lines and a master cell bank. whereas for others we also provide consultative services like research design, process development, regulatory strategy, and manufacture of stable lines for clinical trials.'

In fact, Validus was one of Essent's earliest commercial partners—a mutually beneficial collaboration that, according to both Mann and Stone, has contributed the development of both organizations.

Essent's origins are deeply rooted within Colorado's life sciences ecosystem. Essent's parent company, AlloSource (Centennial), is a leading nonprofit tissue network that produces more than 200 kinds of allografts for orthopedic and burn treatment applications. While there, Stone was instrumental to Essent's conception, planning, and 2019 soft launch.

"We had developed so much experience with healthy, viable primary and differentiated cell

"WE APPLIED OUR CORE COMPETENCIES... TO SERVE THE FIELD OF REGENERATIVE MEDICINE WHILE PRESERVING OUR PARENT COMPANY'S NONPROFIT MISSION."

- COREY STONE, M.B.A., P.M.P. **EXECUTIVE DIRECTOR, ESSENT BIOLOGICS** 

lines from our cadaveric donors—and we knew these are critically needed for research and clinical applications," says Stone. "We applied our core competencies in tissue harvest and processing to serve the field of regenerative medicine while preserving our parent company's nonprofit mission."

Essent accomplished a major commercial milestone in 2021 by accepting and processing a donor to produce MSCs using a fully GMP-compliant process. They anticipate launching several products validated for downstream use in human trials and announcing additional partnerships. <







### FUEL FOR DISCOVERIES

**BOETTCHER FOUNDATION INVESTS** IN EARLY-CAREER SCIENTISTS





BY CURTIS L. ESQUIBEL

s a researcher and teacher, Julie Moreno, Ph.D., brings a combination of dedication and empathy to the study of neurogenerative diseases. Equal to the impact that her patients have on her, Moreno gains motivation from the caregivers who lost a loved one or chose to fight an enemy that almost wins.

"Getting to know those affected by disease is powerful," said Moreno, an assistant professor in the Prion Research Center at Colorado State University (Fort Collins). "I make relationships with these individuals and families that are lasting and real. They mean so much to me."

Moreno's research focuses on prion diseases, progressive diseases with rapid changes in symptoms that can be hard for caregivers to understand - "it can feel like Alzheimer's on steroids," Moreno says.

With her work, Moreno uses patient-specific stem cells that target both early and late stages of disease progression. This novel, therapeutic approach is what led her to receive one of six Boettcher Foundation Webb-Waring Biomedical Research Awards earlier this year. The \$1.41

million in biomedical research grant funds facilitate the Boettcher Foundation's goal to retain Colorado's top scientific talent.

The research award, which is \$235,000 per recipient, will help Moreno's team to better understand prion diseases, hopefully through diagnosis

The Webb-Waring Award, Moreno says, has refueled her. As an early career researcher, she said the at-times cutthroat world of applying for research grants can feel overwhelming.

"The weight of the world is a little off my shoulders," she said. "I feel more confident in my plans to submit three to four grants in the next

Being named a "Boettcher Investigator" has also served as a confidence boost for Joshua Bear, M.D., M.A., an assistant professor in the department of pediatrics at the University of Colorado Anschutz Medical Campus (Aurora).

# 2021 CLASS OF BOETTCHER INVESTIGATORS

**Colorado State University** 



Julie Moreno, Ph.D.
Assistant Professor
Microbiology, Immunology, and Pathology
Protein misfolding neurodegenerative
diseases and aging

University of Colorado Anschutz Medical Campus



Joshua Bear, M.D., M.A.
Assistant Professor
Department of Pediatrics
Division of Neurology
Studying cortical networks in
medication-refractory epilepsy



Sarah Clark, Ph.D.
Assistant Professor
Department of Otolaryngology
Host-pathogen interactions in the airway



Craig Forester, M.D., Ph.D.
Assistant Professor
Pediatric Hematology, Oncology and BMT
Determinants of nascent gene
expression in hematopoiesis



Mia J. Smith, D.V.M., Ph.D.
Assistant Professor of Pediatrics
B-cells in the pathogenesis of T1D

**University of Colorado Boulder** 



Nausica Arnoult, Ph.D.
Assistant Professor of Molecular,
Cellular and Developmental Biology
DNA repair and genome stability

Bear, who studies epilepsy's impact on cognition, says he's hopeful the Boettcher award will help him put together stronger applications for National Institute of Health funding.

Since 2010, Boettcher researchers have brought in more than \$100 million in independent research funding from federal, state, and private sources. In addition, investigators have published more than 100 articles and registered eight applications for patents.

In discussing his research, Bear speaks with passion as both a clinician and neuroscience researcher. With his investigator award, Bear hopes to advance the effectiveness of epilepsy surgery using empirical and machine-learning approaches to improve success rates while avoiding surgeries in others unlikely to see benefit.

Under the best of circumstances, Bear says, 20 percent of patients will continue having seizures after surgery. In many cases, the failure rate of surgery can be as high as 50 percent. Additionally, the surgeries can also cause other deficits in children, which can impact cognition, memory, speech, or have other effects.

Because of this, there is a critical need to develop methods for better identifying the brain zones that will result in freedom from seizures, he said.

"So many families would rather take the risk of unsuccessful surgery than continue to have their child suffer from seizures," Bear said. "I'm inspired by that. We have the potential to give kids with epilepsy better lives."

Giving children better lives is also part of Sarah Clark, Ph.D.'s research. A 2021 Boettcher Investigator, Clark says that among young children and the elderly, pneumonia has long been the leading infectious cause of death.

At her lab on the Anschutz campus, Clark describes her life's work as focusing on the discoveries that come with studying good and bad bacteria in our immune systems.

Her research seeks novel approaches to enhance protective host immunity by studying how health-associated strains of bacteria can protect the respiratory tract from one of the most prevalent pathogens that causes pneumonia.

"I'm trying to take clinical observations from people studying what's happening to a kid, model it in a lab, and come up with a mechanism," Clark said. "It's critical as a new investigator to branch off in a new direction and propose something that's really different."

Clark applied for a Webb-Waring award in a previous year but was declined. She took the feedback she received and applied it to this year's proposal.

"I tried for the Boettcher award because of my research emphasis and my stage of career development," said Clark, an assistant professor in the department of otolaryngology (head and neck surgery) at Anschutz. "I felt like the (Webb-Waring Award) is trying to fund more innovative ideas with a lot of potential." Innovation and potential are core strategies behind the Webb-Waring Biomedical Research Awards, said Boettcher Foundation President and CEO Katie Kramer.

"Our mission is to support the promise of Colorado and the potential of Coloradans," said Kramer. "The 2021 class of Boettcher Investigators represents some of our state's most dynamic and promising researchers. These doers and difference makers are committed to improving health and finding cures that will change lives."

For Moreno, working toward these outcomes is all about teamwork. She said the Boettcher funding also helps more junior faculty members like herself to educate more students and get them practical lab experience. Currently she has 14 students working in her lab and gaining invaluable research experience.

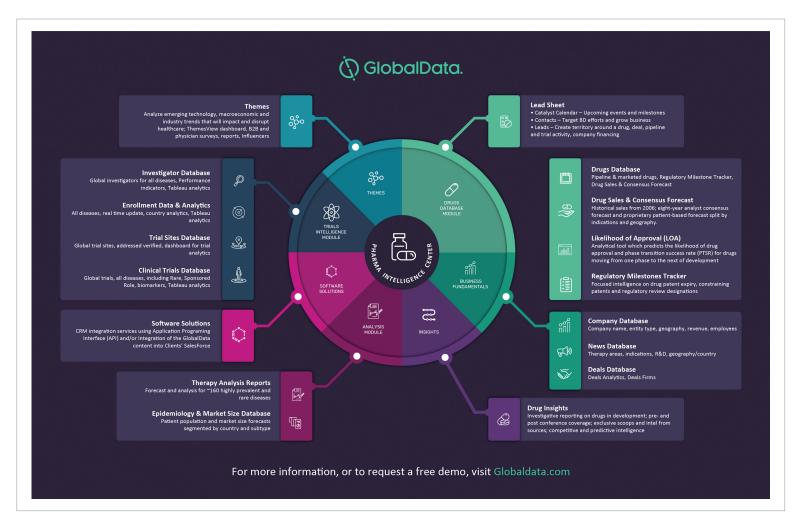
"They present data and become scientists," she said. "Boettcher is helping all of the students I have in the lab. We are passing it on."

The Webb-Waring Biomedical Research Awards program has advanced the work of 82 investigators in the past 11 years. To date, 96 percent of the recipients remain at Colorado research institutions. This helps to advance the foundation's mission to keep top scientific minds in the state.

"Everybody is very collaborative in Colorado and wants the younger generation to succeed," Moreno said.

"THESE DOERS AND DIFFERENCE MAKERS ARE COMMITTED TO IMPROVING HEALTH AND FINDING CURES THAT WILL CHANGE LIVES."

- KATIE KRAMER, PRESIDENT & CEO BOETTCHER FOUNDATION





olorado's life sciences community has seen a recent wave of major company acquisitions, mergers, and significant financings. The activity is raising awareness about promising opportunities for investment and generating new interest in companies at all stages of commercialization.

These Colorado-grown companies began as startups and grew into headline-making acquisitions and IPOs. For their leaders, synergies and opportunities to scale drove the deals, as well as timing, market needs, and bold visions for the future of patient care.

### **Collaboration Prompts ArcherDX Acquisition**

Major deals often are the result of converged interests, and that was the case for the \$1.4 billion acquisition of ArcherDX (Boulder) by Invitae (San Francisco) in October 2020.

ArcherDX Founder Jason Myers, Ph.D., now a member of Invitae's Board of Directors, said ArcherDX was one of the first startups in Colorado to focus on using DNA to monitor and treat diseases.

Invitae also was working on DNA-based monitoring, but the two companies had different approaches. ArcherDX made testing components for clinicians, allowing them to do in-house lab work. It also focused on managing acute diseases in patients to prolong

life. In contrast, Invitae managed testing for clinicians, and focused on predicting future health issues based on inherited DNA.

A combined company could offer clients greater choice, giving it broader market appeal.

"So it covers the full continuum from birth to death—it covers the full patient spectrum, and it covers the full business model," Myers says. "It kind of answers an age-old argument of where is the market going to go? This way, we don't care."

Merger discussions began around Thanksgiving 2019, when Invitae's CEO, Sean George, Ph.D., visited Colorado, where several of his employees were based. Since Invitae and ArcherDX ran in the same research circles, Myers and George would often meet to catch up. That was the case during this trip. As the two talked, the idea of a merger began to form.

Timing played a big role. ArcherDX, originally founded in 2013, was preparing for an initial public offering (IPO). The fact that it was on the verge of going public meant Invitae "had to move. They had to react to our timeline which I think is always a fantastic position to be in," Myers says.

But while that might have been an incentive, he stresses that "the joy was this commonality, and this altruism was what made it come together. The focus was how can we make something great together?"

Did something great result? Myers thinks so. Even with added challenges due to the pandemic, the deal is generating the expected synergies, he says. Invitae maintains its company headquarters in California. As a subsidiary, ArcherDX is maintaining its Boulder facilities and may even expand in the near future.

That success, in turn, may be an incentive for other Colorado life sciences companies to look at mergers as growth opportunities.

"I hope it's influential on how the community here would think about their end goal," Myers says. "There was this sense that you couldn't build a company like this. And now that's changed."

"I think that's pretty exciting," he adds.

### **Array BioPharma Deal Catapults Growth**

One on the biggest deals Colorado life sciences history was the July 2019 acquisition of Array BioPharma (Boulder) by Pfizer (New York). Not only was it one of the highest-value Colorado life sciences transactions to date at \$11.4 billion, but it created momentum for the new companies launched by Array alumni.

Founded in 1998, Array drew Pfizer's attention because of its promising portfolio of small-molecule medicines for treatment of cancer, and other diseases. Its flagship drugs included a combination of BRAFTOVI® (encorafenib) and

**■■**...THE JOY WAS THIS COMMONALITY, AND THIS ALTRUISM WAS WHAT MADE IT COME TOGETHER. THE FOCUS WAS HOW CAN WE MAKE SOMETHING GREAT TOGETHER?"

- JASON MYERS, PH.D., FOUNDER, ARCHERDX

2021-2022 BIOSCIENCECOLORADO 27

"YOU HAVE TO TURN OVER A LOT OF ROCKS. EVERY COMPANY IS NOT ALWAYS A GOOD FIT FOR EVERY INVESTOR. SO, ONCE YOU FIND A LEAD INVESTOR THAT IS WILLING TO INVEST, YOU WORK TOGETHER WITH THAT LEAD TO HELP BUILD THE SYNDICATE."

- TONY PISCOPIO, PH.D. CO-FOUNDER & CEO ONKURE, INC. MEKTOVI® (binimetinib) therapies for treatment of certain BRAF-mutant reselectable or metastatic melanoma. The drug combination also showed promise for treatment of other solid tumor diseases, including metastatic colorectal cancer.

The history-making acquisition increased the Colorado life sciences community's visibility as a hotbed for valuable companies. It also cemented a blockbuster track record for Array Co-Founders Tony Piscopio, Ph.D., and Kevin Koch, Ph.D., as they grew new companies. Piscopio is Co-Founder & CEO of OnKure Inc., while Koch is Founder & CEO of Edgewise Therapeutics, Inc.

### **OnKure Attracts Financing**

Following his time at Array, Piscopio founded OnKure (Boulder) in 2011, and since then the company has grown into a successful, 10-employee operation developing targeted small-molecule drugs.

That success continued in March 2021, when it closed a \$55 million investment round.

The proceeds will fund development of OnKure's lead drug, OKI-179, a Class I HDAC inhibitor that is now moving into Phase 2 studies in targeted populations and a growing pipeline of earlier stage molecules.

OnKure's original goal was to raise \$30 million, but after discussions with investors, "we decided to take more money because the investment group was enamored with the prospect of this team doing more drug discovery based on its prior successes," Piscopio says. "The OnKure team is going back to our roots and starting programs, exciting programs, all in oncology, to essentially augment the later-stage program."

Indeed, the Piscopio's background with Array, and the fact that some of its senior management is now at OnKure – was a big factor in closing the funding round. "It's never easy to raise money," Piscopio notes. "You have to turn over a lot of rocks. Every company is not always a good fit for every investor. So, once you find a lead investor

that is willing to invest, you work together with that lead to help build the syndicate."

Down the road, OnKure's growth could lead to an acquisition and "that's always a potential exit," Piscopio says. "An acquisition would be dictated by and large by the success of OKI-179 because the other programs are very early. If we have good success in Phase 2, you can never rule it out."

### **Edgewise Goes Public**

Koch moved on from Array to found Edgewise Therapeutics (Boulder) in 2017 and led a successful initial public offering on March 30, 2021.

The company specializes in treatments for patients suffering from a wide range of degenerative muscle disorders, including multiple sclerosis. Its goal was to develop multiple therapies, but that would cost hundreds of millions of dollars. An IPO was the only route, allowing it to draw in funding not only from healthcare-oriented investors but also investment generalists, Koch says.

Edgewise management began planning to go public in late 2020. This was Koch's second IPO after taking Array public in 2000. The global pandemic created opportunities for a virtual roadshow.

"The last time I took a company public, we went on the road for three weeks all over the world, and personally met 60 investors, which was crazy," he notes. "But this was really quite efficient."

That said, it wasn't entirely without challenges, including a change of plan when a competitor produced mixed results in treating muscular dystrophy.

"We were going to run as fast as we could go to get the IPO done, and when we saw the data we said to ourselves 'Hmm, how are the investors going to react to that data set, and how it relates to how they think about our asset?' We actually slowed down for a couple of weeks," Koch says. After studying the data, and talking to analysts, Edgewise concluded the results were actually favorable, "we got back on track, and ran as fast as we could to the IPO."



# "ACCESSING THE PUBLIC MARKETS PROVIDES MORE CAPITAL. YOU CAN DO THINGS IN PARALLEL. AND THIS IS A COMPETITIVE SPACE."

KEVIN KOCH, PH.D.
 FOUNDER & CEO
 EDGEWISE THERAPEUTICS, INC.

Speed was of the essence to capitalize on strong investor interest in the biotech sector. Fortunately, the market remained favorable, and Edgewise closed the IPO, generating \$202 million in gross proceeds. With that funding, Edgewise and its 22 employees can now move ahead with a more ambitious drug development plan.

"We will ultimately evaluate our first drug, Edgewise 5506, in both Duchenne Muscular Dystrophy, Becker Muscular Dystrophy, and ultimately in other muscular dystrophies or other neuromuscular diseases," Koch says. "By having more capital by accessing the public markets, you can do things in parallel. And this is a competitive space. There are many companies looking to find drugs in muscular dystrophy because it's such a high, unmet medical need, and such an important disease to treat."

### MERGERS & ACQUISITIONS

DEAL: ArcherDX

Acquired by Invitae

**MORE DETAIL ON** 

**RECENT DEALS** 

**IPOs** 

**Biodesix** 

RAISED: \$64 Million

**CLOSED**: October 2020

RAISED: \$202 Million

**CLOSED:** March 2021

**Edgewise Therapeutics** 

value: \$1.4 Billion closed: October 2020

**DEAL:** Array BioPharma

Acquired by **Pfizer** 

VALUE: \$11.4 Billion CLOSED: July 2019

MBio Diagnostics
Merged with Brava
Diagnostics
(Now LightDeck
Diagnostics)

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**VALUE:** Undisclosed

CLOSED: July 2020

As of Q1 2021.

fitzsimons
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**Visionary organizations choose Fitzsimons Innovation Community** for our entrepreneurial environment, leading-edge facilities, and services. Together, we push boundaries and transform science into the future of health and care.

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### RECORD-BREAKING FUNDRAISING IN 2020

Colorado's life sciences community accelerated growth with federal and state grants, mergers and acquisitions, initial public offerings, and successful financing rounds.

### PUBLIC AND PRIVATE CAPITAL

BY SECTOR TYPE

### **MEDTECH**

COMPANY NAME	DEAL TYPE	AMOUNT
ArcherDX and Invitae	Acquisition	\$1,400,000,000
Biodesix	Initial Public Offering	\$63,800,000
Cipher Skin	Private Capital	\$1,000,000
LightDeck Diagnostics	Series B	\$11,000,000
Physia	Seed	\$810,000
Sana Health	Seed	\$1,800,000
Sana Health	New Venture Funds	\$5,800,000
Securisyn Medical	Seed	\$2,500,000
Securisyn Medical	Venture - Series Unknown	\$3,097,500
Vaporox	Seed	\$1,000,000
Vaporox	Seed	\$1,250,000
Vaporox	Seed	\$1,500,000

### BIOTECHNOLOGY, PHARMACEUTICAL, & RELATED

COMPANY NAME	DEAL TYPE	AMOUNT	
Arpeggio	Seed	\$3,200,000	
Aytu Bioscience	Bought Deal Offering	\$28,500,000	
BioPlx	Venture - Series Unknown	\$1,075,889	
Brickell Biotech	IPO	\$20,100,000	
Brickell Biotech	Stock Sales	\$8,000,000	
Cerebral Therapeutics	Series B	\$35,000,000	
Edgewise Therapeutics	Series C	\$95,000,000	
Inscripta	Series D	\$58,000,000	
MiRagen (now Viridian Therapeutics)	Post IPO Equity	\$90,997,328	
MycoTechnology	Series D	\$39,000,000	
SomaLogic	Series A	\$121,000,000	
Summit Biolabs	Debt Financing	\$235,000	
Taiga Biotechnologies	Debt Financing	\$1,080,000	
Watchmaker Genomics	Venture - Series Unknown	\$6,672,986	_

### **DIGITAL HEALTH**

COMPANY NAME	DEAL TYPE	AMOUNT
ClinOne	Series A	\$3,600,000
Health Scholars	Series B	\$17,000,000

\$1,493,557,500

TOTAL \$507,861,203

\$20,600,000

### OVERALL FUNDING TOTALS

BY FUNDING TYPE



### \$2.6 BILLION TOTAL RAISED IN 2020



### DRUGS by PHASE and THERAPY AREA

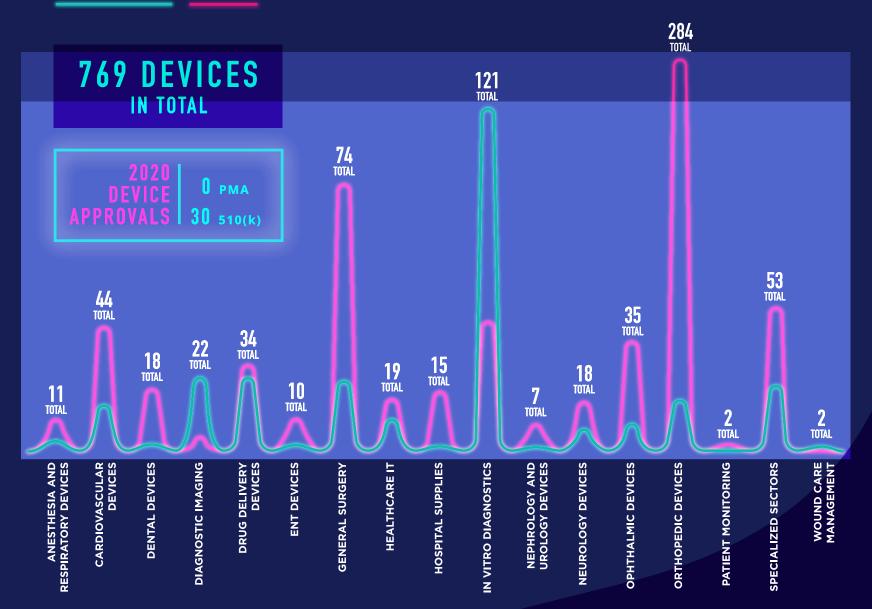
# CLINICAL ASSETS COLO SAVE AROU

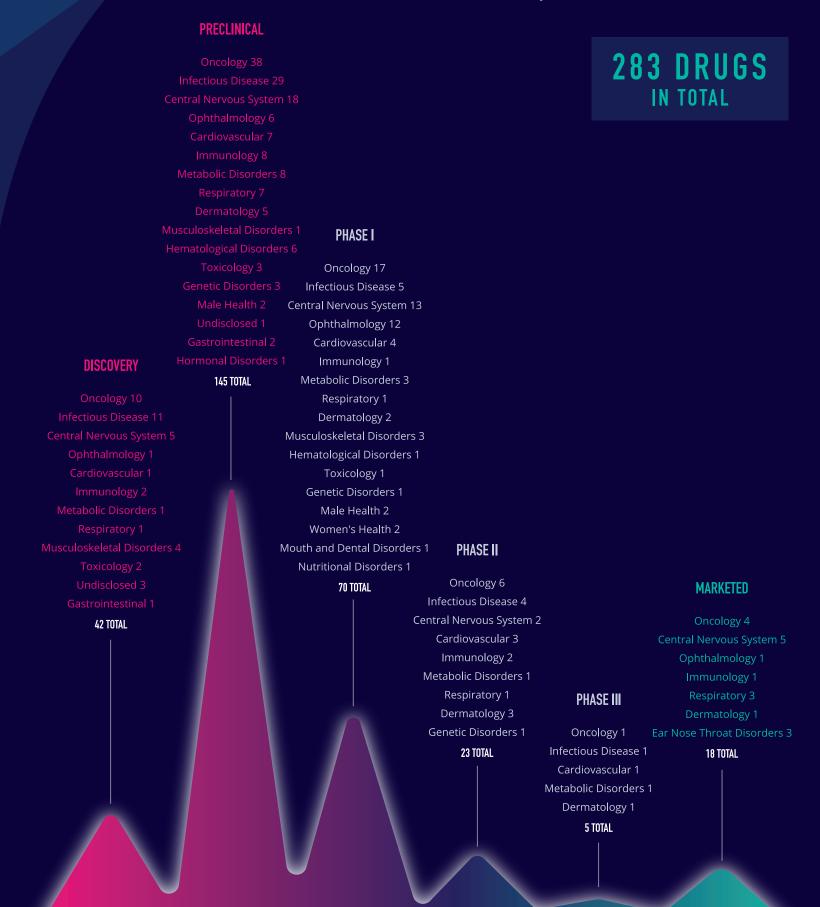
COLORADO BREAKTHROUGHS
SAVE AND CHANGE LIVES

DATA SOURCE ( Global Data.

### DEVICES by MEDICAL SPECIALTY

INVESTIGATIONAL & APPROVED





# REGIORY

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- AG BIO AND ANIMAL HEALTH
- DIGITAL HEALTH
- ACADEMIC AND RESEARCH INSTITUTIONS
- MEMBER SERVICE PROVIDERS



### **MEDTECH**

### **3D Systems - Healthcare**

Littleton

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

### **5280 Prosthetics**

Littleton 5280prosthetics.com 5280 hypobarric socket technology increases tissue profusion, physiologically improving limb health.

### **Abilities Unlimited**

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

### Ablacon

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

### **Access Sensor Technologies**

Fort Collins

accsensors.com

Paper-based diagnostics for industrial and personal environmental monitoring.

### Accure Acne

Boulder

accureacne.com

At Accure, we are wholly committed to developing revolutionary solutions to eliminate acne. We know that acne can have a devastating social, psychological, physical and economic impact on patients around the world. We are pioneering transformative solutions that will answer this unmet need and have a positive and profound impact on patients and providers worldwide.

### **Acertara Acoustic Laboratories, LLC** Edwards

acertaralabs.com

Independent ISO/IEC accredited medical ultrasound acoustic measurement and testing laboratory.

### ACT

Edwards altitudect.com

Choose ACT for precise altitude simulation. automatic operation, and absolute air quality control so experiments run effortlessly and reliably. Our altitude simulation system is compatible with environmental chambers, metabolic carts, blood analysis and other test equipment.

### Agilent Technologies

Boulder/Frederick

agilent.com

Provides core electronic and bio-analytical measurement tools to advance life science research. Commercial manufacturing of nucleic acid active pharmaceutical ingredients.

### Allison Medical

Littleton

allisonmedical.com

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

### AlloSource

Centennial allosource.org

Develops, processes and distributes lifeenhancing bone and tissue allografts to the medical community.

### **AmpVision**

Aurora

There is a billion dollar industry that hinges on patient's receiving a needle injection in their eye every month. AmpVision's technology can be implanted once and provides protection equivalent to 40 injections.

### Anthropo LLC

Longmont anthropo.llc

Anthropo makes pathogen reduced, shelf stable blood products and blood derived cellular therapies.

### Apdyne Medical Company

Denver

apdyne.com Manufacturer and distributor of the Apdyne Phenol Applicator Kit used to anesthetize the tympanic membrane during in-office myringotomy procedures.

### **ARC Group Worldwide, Inc.**

Longmont arcw.com

ARC Group Worldwide, Inc. is a global advanced manufacturing service provider focused on accelerating speed to market for its customers.

### ArcScan, Inc. Golden

arcscan.com

Developing VHF Ultrasound for comprehensive ophthalmic imaging.

### Arcturus Star Products LLP Cortez

lymphstarpro com

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

### **Arthroventions**

Denver

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.

### **ASI Dental**

Englewood

asidental.com

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

### Aspero Medical

Boulder

asperomedical.com

Developing an endoscopic device that can be used by doctors treating patients with gastrointestinal diseases.

### = MEMBER

### Aspire Biotech, Inc.

Colorado Springs

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.

### **Beckman Coulter**

Loveland

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

belldental.com

Designs, develops, and manufactures precision dental equipment based on electric motor technology.

### Biodesix, Inc.

Boulder

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.

### **BioIntellisense**

Golden

biointellisense.com The BioIntelliSense Data-as-a-Service (DaaS) platform and FDA-cleared BioSticker™ on-body sensor are bringing medical grade monitoring and management to

the home for scalable remote care.

### **BioVision Technologies**

Golden

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-endoscope solutions are integrated to reduce incision size and speed healing.

### Blankenship Research

Longmont

blankenshipresearch.com Blankenship Research offers Medical Device Development Consulting for Ideation, Innovation, Product R&D, Design Controls, and more...

### BodySync, Inc.

Aurora

bodysync.com

Applies evidence-based genetic information to develop personalized products that help individuals achieve their health goals.

### **©** Bolder Surgical

Louisville

boldersurgical.com

Developing precisely designed surgical instruments that allow access to confined spaces and often delicate structures.

### **Boulder Innovation Group**

Louisville

boulderinnovators.com

Develops and manufactures image-guided surgical navigation digitizers and industrial 3D capture and modeling equipment.

### **©** Boulder iQ

Boulder

boulderig.com

We get medical devices done! We design 'em, build 'em, package 'em & sterilize 'em! Full service for electromechanical products & disposables. With the only in-house, guick-turnaround EO sterilizer in Colorado, let Boulder iQ get it done for you!

### CaliberMRI

Boulder amri.com

CaliberMRI is manifesting the true power of quantitative MRI (qMRI) for better precision medicine. We proudly sell highly accurate and precise qMRI imaging phantoms to research institutions, clinics, and hospitals.

### CardioNXT

Denver

cardionxt.com

Developing a portfolio of technologies that enable the delivery of therapy more accurately and cost effectively in catheter ablation procedures to treat cardiac arrhythmia.

### **CardioScout Innovations**

Boulder

CardioScout Innovations, Inc. is developing tools to access and image the heart epicardium for delivery of therapies. Access is minimally invasive from under the rib cage; no bloodstream or groin puncture. Electrophysiologists are increasingly using this approach but using tools "off label." CardioScout purposebuilt tools will open the door to this exciting new heart treatment frontier.

### Cardiost

Denver

cardiost com

Cardiost is a medical device company focused on Congestive Heart Failure, a chronic disease affecting over 6 million of Americans and 26 million people worldwide. Cardiost has found a new approach to improve the health conditions and quality of life for patients requiring some type of long-term Mechanical Circulatory Support (MCS) - be it Bridge to Transplantation (BTT) of Destination Therapy (DT).

### Car-May, LLC

Berthoud

car-may.com

Provides pumping capability, fluid measurement, and flow control all in one compact module.

### Cerapedics

Westminster

cerapedics.com

Developing and commercializing novel osteobiologic products based on a proprietary small peptide technology, P-15™ on anorganic bone mineral (ABM).

### CereScan

Littleton

cerescan.com

Combines brain imaging technologies with a patient-centered model of care to provide the highest level of neurodiagnostics available.

### **Certa Dose**

Denver

certadose.com Unique measuring system that helps eliminate dosing errors in pediatric patients.

### **Clean Room Devices, LLC**

Westminster

cleanroomdevices.com Clean Room Devices, Inc. manufactures a line of quality clean room equipment designed to cut medical tubing, expand tubing and insert barbed fittings into most types of flexible tubing.

### ClearSight

Aurora

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.

### **Cochlear Americas**

Centennial cochlear.com

Global leader in implantable hearing solutions. Manufacturer of Nucleus cochlear implants and the Baha programmable bone conduction system.

### Colibri Heart Valve

Louisville

colibriby com

Researches and develops novel heart valve technologies.

### **Colorado Precision Products, Inc.**

Boulder

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.

### **Colorado Therapeutics**

Broomfield

co-therapeutics.com

Developing xenogenic biologic tissue matrix products for a broad range of soft tissue reinforcement, regenerative, and additional applications.

### **ConMed Corporation**

Greenwood Village

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.

### CoorsTek

Golden

coorstek.com

Custom engineering, materials expertise, operational excellence, and rapid execution.

### **CoramiR Biomedical**

Superior

coramir.com

Developing non-invasive biomarker tests to guide treatment decisions in heart failure patients.

### **CoreLogix Medical**

Highlands Ranch

corelogixmedical.com CoreLogix Medical™ was formed to develop and bring to market an innovative bone graft technology specifically for sternal healing and fusion. Our solution is a patentpending, life-changing technology that addresses sternal healing complications and exorbitant healthcare costs.

### Corgenix Medical Corporation

Broomfield

Corgenix has 30 years as an FDA registered GMP IVD manufacturer. We are a CRO/ CMO that provides R&D services, clinical/ analytical testing in our on-site CAP/, CLIA laboratory. Our Regulatory expertise has brought over 50 assays to market and earned an EUA in 2021. Corgenix is certified to MDSAP and ISO 13485:2016.

### Corvectra, Inc.

Fort Collins

corvectra.com

Developing clinical tools that enable healthcare professionals to non-invasively diagnose and treat patients with a single point of care device.

### Cuattro

Golden

cuattro.com

Flat panel digital radiography systems that improve efficiency and worklflow, increase productivity and lower costs.

### **Darwin Biosciences**

Roulder

darwin.bio

Darwin Biosciences is developing testing to aid in the infection disease detection process. We specialize in identifying people who are asymptomatic or pre-symptomatic for common infectious diseases.

### **G** dBMEDx

Littleton

dbmedx.com

Developing next-generation, automated, wireless 3D ultrasound devices.

### **Denver Optic Company**

Englewood

eyeprosthetics.com Specializes in the fitting and fabrication of two types of ocular prosthesis.

### **DePuy Synthes, Companies of Johnson &** Johnson

Monument

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

dgw.com

Manufactures quartzware for the medical and research industries.

### **Die Cut Technologies**

Northglenn

diecuttech.com Offers precision material conversion, skilled assembly and manufacturing efficiencies, including cleanroom facilities.

### **Diversatek Healthcare**

Highlands Ranch

diversatekhealthcare.com Designs, manufactures and distributes diagnostic products focused on gastroenterology.

### **DNTLworks Equipment Corporation**

Centennial

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.

### **Double Helix**

Boulder

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

dnix com

Produces high-resolution amorphous silicon (a-Si) sensor arrays for medical X-ray imaging.

### E.I. Medical Imaging

Loveland eimedical com

Manufacturer of highly portable and ruggedized **EndoShape, Inc.** ultrasound devices for the veterinary industry.

### **EAG Laboratories**

Fort Collins

This EAG location has supported the defense, aerospace and medical device industries since its founding in 1973. The laboratory is a leader in internal gas composition analysis (frequently denoted as RGA) and Cumulative Helium Leak Detection (CHLD) services for ensuring reliability of critical components in military and aerospace technology.

### **Edgeport Surgical**

Boulder

Medical product development and investment company.

### **EJ BioMed - A Division of Eldon James** Corporation

Denver

eldonjames.com Manufactures, assembles and packages PVC Free tubing and connectors in a single cleanroom environment.

### **Electronic Materials, Inc. (EMI)**

Breckenridge

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

element.com

Medical device testing laboratory specializing in package testing, accelerated aging, photostability, UV, temperature/humidity, vibration, shock testing services.

### Eleven P15

Aurora

elevenp15.com Diagnostic biotech company enabling early diagnosis and treatment of idiopathic pulmonary fibrosis.

### **©** Ellab, Inc.

Denver ellab.com

Ellab manufactures wireless, real-time data loggers and wired thermocouple validation systems with temperature, humidity, pressure, vacuum, conductivity and CO2 sensor options. Ellab also offers on-site qualification, validation and calibration services for thermal validation processes ranging from -196°C to 400°C. Environments often include freezers, incubators, stability chambers, autoclaves, and ovens.

### **Encision, Inc.**

Boulder encision.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.

Boulder

endoshape.com

Manufactures surgical and medical instruments focusing on shape memory polymer devices for endolumenal application.

### enlightenVue

Denver

enlightenvue.com Specializes in bringing micro-endoscope technology to the medical device market by innovating low-cost disposable alternatives.

### **Evergreen Research, Inc.**

Golden

evergreenresearch.com

Evergreen (ERI) is your "One-Stop-Shop" for medical device design, manufacturing, distribution, product service, and regulatory/ quality support. ERI has experience in surgical, ICU, ER, EMS, OTS, clinic, and home healthcare products. Since 1988, ERI has provided design services in electromechanical design, advanced imaging software, cloud software, embedded and Windows systems, and smart device apps. ERI is FDA registered, and ISO 13485/ISO 9001 certified.

### EvoEndo

Englewood

evoendo.com Modified a medical endoscopic technique for pediatric and created a new multi-use

endoscope for use in pediatrics and adults.

**Eximis Surgical, Inc.** Louisville

eximissurgical.com Developing a novel surgical platform for the safe and fast removal of large specimens through small laparoscopic/robotic incisions.

**Extreme Diagnostics** 

Boulder extremediagnostics.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.

### **Exum Instruments**

Denver

exuminstruments.com Exum™ builds instruments and software ecosystems to increase the speed of development and discovery, offering easy

access to high-performance at a low cost.

### Ezalife, LLC

Aurora

ezalife.com

Ezalife designs and develops medical devices that make life easier for infants, children and adults with complex medical needs. Its first product, the Button Huggie, is a precision-designed, low profile gastrostomy button securement device.

### **Falcon Rehabilitation Products**

Denver

falconrehab.net/products/ Designs and builds high quality, innovative quadriplegic seating systems and accessories.

### **FieldLine**

Boulder

fieldlineinc.com FieldLine Inc., a biotech company targeting advanced brain diagnostic technology, announced today the general availability of the FieldLine HEDscan system – the world's first commercially available non-cryogenic, whole-head magnetoencephalography (MEG) system for functional brain imaging.

### Firefly Medical, Inc.

Fort Collins iveamobility.com

Designs and develops innovative durable medical equipment for clinical healthcare markets.

### **Fischer Imaging**

Denver

fischerimaging.com Fischer Imaging is focused on improving outcomes for cancer patients with advanced imaging. Our proprietary technology doubles the resolution and contrast of today's mammography using less than half the x-ray dose and removes the need for painful breast compression.

### **Fischer Medical**

Wheat Ridge fischermti.com

Designs, manufactures, and markets cardiac and otolaryngology devices.

### FlashBack Technologies

Louisville

flashbacktechnologies.com Fast, non-invasive detection of acute blood

loss volume and prediction of cardiovascular collapse in emergency situations.

### Footbeat

Grand Junction footbeat.com

Footbeat uses non-invasive foot compression to reduce pain and swelling and get you back on your feet again.

### ForCast Orthopedics

Longmont

forcastortho.com

Focused on improving total joint patient care, ForCast Orthopedics will incorporate antibiotic reservoir and novel infusion system within a total knew prosthesis to replicate improved patient outcomes with simpler pain management.

### Foresight Diagnostics

Aurora

foresight-dx.com

Foresight Diagnostics is a molecular diagnostics company that is developing non-invasive cancer detection technologies to improve the lives of patients worldwide.

Boulder

gaugewear.com

Using radiometric thermometry, gaugewear is creating a wearable, non-invasive, core body temperature sensor.

### GelSana

Aurora

gelsanatherapeutics.com

GelSana is creating a breakthrough in hydrogel technology. There is a need for new wound dressings, particularly those that do not activate additional inflammation in the wound bed, and that are easy to apply for increased patient compliance. GelSana is creating a breakthrough in hydrogel technology. There is a need for new wound dressings, particularly those that do not activate additional inflammation in the wound bed, and that are easy to apply for increased patient compliance.

### Genesee BioMedical, Inc.

Denver

geneseebiomedical.com Manufactures cardiac surgery instruments and devices.

### **Genovus Biotechnologies, Inc.**

Louisville

genovusbiotech.com

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.

### **Gnathodontics, Ltd.**

Lakewood

gnatho.com

Specializes in functional dentistry, advanced implant work, precision partial dentures, combination cases and metal-free fixed restorations.

### **Green Sun Medical**

Fort Collins

greensunmedical.com Develops innovative treatments to address Adolescent Idiopathic Scoliosis (AIS) through non-fusion scoliosis solutions.

### **GT Molecular**

Fort Collins

gtmolecular.com

GT Molecular was created to develop new molecular detection technology for cancer research and harmful pathogen detection. We have recently focused these powerful tools on the detection of SARS-CoV-2 in wastewater to support communities around the country with their monitoring programs.

### **Guided Surgical Solutions**

guidedsurgicalsolutions.com Guided Surgical Solutions utilizes state of the art software & 3D printing technology to ensure a more safe, accurate, and efficient surgery. Surgical outcome is more predictable for follow-up treatment resulting in the best possible aesthetic and functional results for your patient.

### GyroStim

Colorado Springs gyrostim.com Applying advanced technologies to physiological and neurological needs.

### **Hach Company**

Loveland

hach.com

Manufactures and distributes analytical instruments and reagents used to test the quality of water and other aqueous solutions.

### HeartHero

Denver

hearthero.com Developing automated external defibrillator

### **Hirsh Precision Products, Inc.**

Boulder

hirshprecisionproductsinc.com/ Manufactures precision-machined and assembled components for the medical industry.

### Impressio, Inc.

Aurora

impressio.tech

Impressio focuses on developing liquidcrystalline elastomers (LCEs) for use in load-bearing orthopedic applications such as knee and total disk replacement.

### InDevR, Inc.

Boulder

indevr.com

Develops and manufactures biomedical instruments including molecular diagnostic assays, virus measurement systems and detection technologies for micro-arrays.

### **Infinity Laboratories**

Castle Rock

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

infinity-usa.com

Manufactures long-distance and continuously-focusable microscope technology, macro systems, internalfocusing devices and other lenses.

### Innovatus Imaging

Denver

innovatusimaging.com

Innovatus operates an engineering, testing, regulatory compliance and FDA registered contract manufacturing site. Design, development and testing of specialty products and ultrasound arrays take place in this facility in addition to quality and regulatory activity.

### Instec, Inc.

Boulder

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.

### **Integrated Molecular Diagnostics** Pathology, Inc.

Aurora

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.

### **Intelligent Imaging Innovations (3i)**

Denver

intelligent-imaging.com

Designs and builds systems around the newest automated fluorescence microscopes and the most advanced peripheral devices.

### Invitae

Boulder

invitae.com

Creates catalog and custom next-generation sequencing (NGS) assays that are purposebuilt to identify mutations and gene fusions from clinical sample types.

### Jortek Surgical, Inc.

Boulder

iortek.com

lortek develops novel orthopedic devices primarily in the sports medicine market. The primary objective is preservation and restoration of patient's musculoskeletal system through medical, surgical, and rehabilitative means.

### Kestrel Labs, Inc.

Boulder

kestrellabs.com

Combines internal research and development projects with consulting and contract development of innovative, patient monitoring concepts and other medical technologies.

### KoKo, LLC

Longmont

kokopft.com

Develops, manufactures and markets respiratory care products and services focused on cardiopulmonary diagnostics, respiratory core lab services, and disease management solutions.

### **Lenox MacLaren Surgical Instruments**

Louisville

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.

### LightDeck Diagnostics

Boulder

lightdeckdx.com

The LightDeck® platform combines an advanced laser waveguide with novel materials and patented manufacturing techniques to deliver lab-quality results anywhere, in minutes. The LightDeck platform is achieving success in veterinary diagnostics and for environmental testing. LightDeck is also introducing a portfolio of in vitro diagnostic panels, the first is an on-the-spot test for COVID-19.

### **Liquid Logic**

Aurora

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.

### LivaNova

Arvada

livanova.com

Global medical device company and a leader in the treatment of cardiovascular diseases.

### **Live Fully, Inc.**

Monument

livefullyinc.com Live Fully is a medical device design and manufacturing company focused on lung disease patients. We encourage active lifestyles to regain hope and extend lives by embracing technology in a field that has been devoid of innovation. Our products collect real-life data

as authorized by patients to optimize remote

patient monitoring by their medical team.

### LumenAstra

Boulder

lumenastra io LumenAstra™ is commercializing a patent for a non-invasive, wearable core body temperature sensor.

### Magnelab, Inc.

Longmont magnelab.com

Manufactures custom magnetic components (transformers/inductors) for the medical field.

### Mallinda, LLC

Denver

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.

### **Med-Botics**

Colorado Springs

med-botics.com Development of medical devices for prevention of apnea, hypoxemia, and overdose from medication causing respiratory depression.

### Medtronic

Boulder/Louisville/Minnesota

medtronic.com

Medtronic, along with our partners in healthcare develop meaningful innovations. In Colorado we have 2,400 employees focused on life-changing technologies for use in neuro, spine and general surgery. From patient monitoring and respiratory solutions to advanced surgical navigation, imaging, Al and robotics. We strive to solve some of the world's most complex medical challenges.

### Mesa Laboratories, Inc.

Lakewood

mesalabs.com

Provides dialysis meters and related supplies to dialysis clinics worldwide.

### MFB Fertility, Inc.

Boulder

proovtest.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

micro-imaging.us Developed an innovative, patented technology that can be utilized in the manufacture of micro-digital CMOS cameras.

### **Microbial Pulse Diagnostics**

Boulder

Microbial Pulse Diagnostics will enable pointof-care data-driven antibiotic prescriptions by providing physicians with a list of proven effective drugs in under two hours. Its nanoscale sensing technology "takes the pulse" of the bacteria causing a urinary tract infection to quickly determine their phenotypic susceptibility or resistance to antibiotics.

### **Microlife Medical Home Solutions, Inc.**

Golden

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.

### Mighty Oak Medical

Englewood mightyoakmedical.com

Develops cutting-edge spinal technologies for use in spine surgery.

### **Mikron Corporation**

Englewood 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.

### **Momentum Optics**

paragon28.com Longmont momentumoptics.com Momentum Optics, LLC is solving the

problem of long lead-times for custom optical lenses, a pain point for many companies as they seek a first-to-market advantage in an effort to capture early market share and create brand awareness.

### NEBA Health, LLC

Boulder

nebahealth.com

Develops neuropsychiatric medical devices, such as Neba<sup>™</sup>, an experimental, small format EEG-based device being studied under an IDE from the FDA.

### **Neuro Assessment Systems**

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

neuromonics.com Manufactured and distributes clinically proven devices to treat tinnitus. The Sanctuary provides situational relief for those suffering from mild to moderate tinnitus.

### Neurotron

Aurora

neurotron.com

The Neurometer® CPT® is a unique neurodiagnostic device that painlessly evalutes the functioning of small unmylenated (C), small myelinated (A $\delta$ ) and large myelinated (A $\beta$ ) sensory nerve fibers at any cutaneous site.

### **OptiEnz Sensors**

Fort Collins optienz com

Revolutionizing measurement capabilities for organic chemical concentrations in aqueous solutions; now providing continuous, real-time, in-place sensor systems.

### **Orbit Genomics**

Boulder

orbitgenomics.com

Orbit Genomics' game changing OrbiSeq platform is transforming how we diagnose, treat and ultimately prevent complex diseases. Our first product is a simple blood test that eliminates the need for biopsies to diagnose lung cancer.

### Osypka Medtec, Inc.

Longmont

osypka-medtec.com

Works with medical device manufacturers and suppliers to manufacture innovative, quality product solutions or components for companies around the United States.

### Paragon 28

Englewood

Addressing the unmet and under-served needs of the foot and ankle market segment.

### **PARÉ Solutions, LLC**

Greenwood Village

paresurgicalsolutions.com Develops surgical instruments such as the Quik-Stitch endoscopic suturing system.

### **Peak Robotics**

Colorado Springs

peakrobotics.com

Manufactures robots, special equipment, and turnkey automated systems for a variety of industries including: biotech, electronics, medical, semiconductor, etc.

### Peddle Master, Inc.

lohnstown

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.

### Pharmajet, Inc.

Golden

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

phasethreedev.com

Technology and product development of microfluidics based devices and systems.

### Philips

Colorado Springs philips.com

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

### **Point Designs**

Lafayette

pointdesignsllc.com Point Designs strives to innovate in the field of upper limb prosthetics.

### Porta-Lung, Inc.

Lakewood

portalung.com

Provides non-invasive ventilator support for long-term patients who need more portability.

### **Preferred Medical Products, Inc.**

Centennial

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

### Prescott's, Inc.

Monument

surgicalmicroscopes.com

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

### **PreView Medical**

PreView focuses on the diagnosis and treatment optimization of prostate cancer.

### Prima-Temp, Inc.

Boulder prima-temp.com

Innovative biometric approaches to early disease detection and reproductive medicine through the application of 21st century thermometry.

### **Products Group International, Inc.**

Lvons

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

### Propel Labs, Inc.

Fort Collins

propel-labs.com

Designing the next generation of bio-instrumentation tools. Focused on research tools, such as single cell analyzers and cell sorters.

### **Protocast**

Commerce City

protcast.com

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

### Protomed, Inc.

Westminster

protomed.net

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

### **Quadric Biomed, LLC**

Colorado Springs

Quadric BioMed, LLC is a medical device company developing novel dental implants that mimic the emergence profile of natural teeth. Quadric BioMed's patented implant system integrates an eccentricallyshaped 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.

### **Quorum Prosthetics**

Windsor

opquorum.com

Orthotics and prosthetics designed and manufactured in-house by master technicians.

### QuSpin, Inc.

Louisville guspin.com

Develops very high performance atomic sensors.

### Radiological Imaging Technology, Inc.

Colorado Springs radimage.com

Provides clinical and research physicists with a high precision automated QA tool for advanced radiation therapies.

### Rand-Scot, Inc.

Fort Collins

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

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

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

### Rocky Mountain Orthodontics, Inc. (RMO)

Denver

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

### Sana Health, Inc.

Lafayette

sana.io Sana is a neuromodulation wearable for the control of chronic pain, addiction and anxiety. Sana uses audio/visual stimulation to guide the user into a state of relaxation effects, the device consistently increases underlying neuroplasticity which enables it to dramatically impact base pain and anxiety levels over time.

### Sapien, LLC

Fort Collins

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

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 sartorius.us

Designs and manufacturers analytical balances, electrochemistry instruments, moisture analyzers, and titration controllers.

### Scientech, Inc.

Boulder

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

### SeaStar Medical

Denver

seastarmedical.com SeaStar Medical is a commercial- stage medical device company focused on developing blood-based perfusion technologies to address life-threatening medical conditions.

### Securisyn Medical

Littleton

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

### **Sharklet Technologies, Inc.**

Aurora

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

### **Sinopsys Surgical**

Boulder

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

### SI-Technology, LLC

Fort Collins

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).

### Snoasis Medical

Denver

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

### SoftRay Inc.

Fort Collins

softraybiodetection.com

SoftRay develops, licenses, and manufactures systems for the detection of microorganisms for industrial applications requiring sterile fluids as well as for blood products. Currently developing a product for the detection of biocontamination of blood platelet donations prior to transfusion.

### Sonaura

Fort Collins

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.

### St. Renatus, LLC

Fort Collins

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 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.

Strivision

Aurora strivision.com Creating a new form of visual analytics for breathing analysis using a combined hardwaresoftware solution for respiratory diagnostics. The technology is building a new foundation

### **Stryker Sports Medicine**

Greenwood Village

stryker.com Stryker's Sports Medicine business delivers a wide range of innovative sports medicine implants, instrumentation, resection and biologic solutions.

for image-based respiratory analysis.

### **Suez Water Technologies**

Boulder

suezwatertechnologies.com Industry-leading water technology and process expertise to solve your toughest water, wastewater and process challenges.

### **Summit Biolabs**

Aurora

summitbiolabs.com

Summit Biolabs is a commercial-stage molecular diagnostics company spun out from CU Anschutz. It is developing HNKlearTM, the first saliva liquid-biopsy test for early detection of head & neck, and other aerodigestive tract cancers. Leveraging its competencies in viral detection in saliva, Summit developed and launched highly accurate, rapid, direct-to-PCR tests for COVID-19—SwabFASTTM and SalivaFASTTM.

### **Sundance Diagnostics, Inc.**

Boulder

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.

Boulder

sunrisemedical.com

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

### **Supreme Cable Technologies, Inc.**

Frederick

supremecable.com

Manufactures quality custom cable assemblies and wire harnesses.

### Surgical Coatings, LLC

Sedalia

surgicalcoatings.com

Surgical Coatings develops and applies advanced coatings onto medical devices. The purpose of the coatings applied include insulation, lubricity, abrasion resistance and a multitude of other customer needs.

### **SurgiReal Products**

Loveland

surgireal.com

Creates and introduces innovative products and methods for surgical training.

### Swan Valley Medical, Inc.

Denver

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

symbiosplasma.com

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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.

### Synergy Spine Solutions

Louisville

s3spine.com

Synergy Spine Solutions (S3) is a spine medical device company based in Louisville, CO. S3 is a surgeon-founded company with a vision to commercialize innovative spine technologies that help surgeons improve their patients' quality of life and advance the standard of care. S3's Synergy Disc, is the only artificial cervical disc on the market that can restore both motion and alignment to the spine.

### **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

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.

### **TeraBAT**

Longmont terabat.com

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

### Terumo Blood and Cell Technologies

Lakewood

terumobct.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

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

thinklabs.com

Creates digital stethescopes, including One, the smallest, most powerful stethescope in the world.

### **Thrombo Therapeutics**

Aurora

thrombotherapeutics.com Developing diagnostic tools to help assess treatments for traumatic bleeding.

### **Tissue Fusion**

Colorado Springs

Surgically fuses tissues together using laser energy instead of staples or sutures.

### TissueForm

Boulder

tissueforminc.com

Tissue Form is dedicated to improving clinical outcomes at lower costs for patients suffering from tissue disease, injury, or deterioration from aging enabled through proprietary in-situ stem cell therapies.

### Touch of Life Technologies, Inc. (ToLTech)

Aurora

toltech.net

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

### Transtracheal Systems, Inc.

Englewood

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.

### Transverse Medical, Inc.

Aortic Valve Replacement (TAVR).

Denver

transversemedical.com Transverse Medical Inc. is developing the POINT-GUARD™ Dynamic Cerebral Embolic Protection (CEP) medical device to address the devastating and costly problem of stroke during the large and growing number of heart valve procedures that occur annually around the world, such as Transcatheter

### **Triopsy**

Aurora

triopsy.com

Triopsy<sup>™</sup> will create opportunity across three key market segments: medical device, pathology systems, and mapping systems for more accurate diagnosis. Our novel biopsy and pathology technology will assess more accurately the precise tumor location, exact size, disease type and stage, genomic analysis, and pathway to personalized medicine.

### TriSalus Life Sciences

Westminster

trisaluslifesci.com

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

### TRS, Inc.

Boulder

trsprosthetics.com

Develops, manufactures, and markets bodypowered prosthetic devices. Designs and builds technology for persons missing hands.

### **TUMI Genomics**

Boulder

tumigenomics.com

TUMI Genomics is an early stage molecular diagnostics company founded by four CU-Boulder Alumni. Our mission is to create and provide sensitive, robust diagnostic solutions that are accessible to non-laboratory professionals.

### Vaporox

Centennial

vaporox.com

Vaporox, Inc. was formed to commercialize Vaporous Hyperoxia Therapy (VHT™), a patented and FDA-510K-cleared technology that represents a breakthrough in treating 7 different types of skin wounds, including diabetic foot ulcers (DFUs) and pressure ulcers (bed sores).

### Velocity Sciences

Boulder

velocitysciences.com At Velocity Sciences we strive to create innovative diagnostic products and services that improve human health. We do that by working with our strategic partners to create new assay technologies and innovative solutions to address some of the world's toughest problems in human diagnostics.

### **Verkko Biomedical, LLC**

Aurora

verkkobiomedical.com

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

### ViewRay

Denver/Ohio

viewray.com

Dedicated to giving clinicians new and better ways to treat cancer with radiation therapy.

### Vitan-Biotech, LLC

Aurora

vitan-biotech.com

Specializes in the development and commercialization of life science instrumentation, novel biosensing systems and diagnostic devices.

### WalkMed LLC

Aurora

walkmed com

Offers solutions for ambulatory infusion therapy and pain management.

### **Wi Medical Device Development**

Englewood wiinc.net

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

### **Xtract Medical**

Louisville

Xtract Medical has built and patented a disruptive technology in stroke treatment that significantly improves patient outcomes, fits with existing catheters, and simplifies the surgeon's life.

### **Zimmer Biomet Spine**

Westminster

zimmerbiomet.com

Zimmer Biomet is a leading medical device manufacturer offering innovative orthopedic medical devices and joint replacement.

### Zynex Medical, Inc.

Englewood

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).

### BIOTECHNOLOGY, PHARMACEUTICAL. AND RELATED

### AGC Biologics

Boulder/Longmont/Washington agchio.com

AGC Biologics is a leading global contract development and manufacturing organization (CDMO), dedicated to the development and manufacture of biopharmaceuticals, from pre clinical to commercial.

### Agilent Technologies

Boulder/Frederick

agilent.com Develops and manufactures therapeutic oligonucleotides.

### **AJNA Biosciences**

Denver

ajnapharmaceuticals.com AJNA is a drug discovery - drug development company looking to natural botanical sources for therapies for disease stated that have been underserved or neglected by larger pharmaceutical firms.

### Aktiv Pharma Group

Broomfield

aktivpharmagroup.com Aktiv Pharma Group is a specialty pharmaceutical company developing drug products in a range of proprietary pre-filled delivery systems, emphasizing safety, usability, drug stability, and practitioners' workflow.

### Allander Biotechnologies

Aurora

allanderbiotech.com Developing novel therapeutics for oral mucositis

### **Alta Biotech**

Aurora

altabiotech.com Alta Biotech, LLC is a fast-growing global contract research organization specializing in molecular biology,

### American Allied Biochemical, Inc.

biochemistry and cell biology services.

Centennial

aablabs.com

Specializes in the purification and distribution of restriction endonucleases enzymes.

### Amgen, Inc.

California

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

### AmideBio, LLC

Boulder

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.

### **AMP Discovery**

Aurora

ampdiscoveryllc.com Therapeutics company focused on developing novel antimicrobial treatments for gram-negative pathogens.

Ampio Pharmaceuticals, Inc. Englewood

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

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

Virtual biotech proof of concept company.

### **Apspida Biosciences**

Denver

ARCA Biopharma, Inc. Westminster

> arcabiopharma.com Specializes in developing and commercializing genetically-targeted therapies for heart failure and other cardiovascular diseases.

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### **Armis Biopharma**

Fort Collins

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.

### Arpeggio Biosciences

Boulder

arpeggiobiosciences.com

Arpeggio Biosciences leverages state of the art sequencing approaches coupled to powerful machine learning to uncover novel insights into 

### Artisan Bio

Louisville

artisancells.com

A designer cell engineering and big data analysis platform to more rapidly generate safer and more efficacious cell therapies.

### **Atara Biotherapeutics**

Aurora/California

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.

### Atlas Biologicals, Inc.

Fort Collins

atlashio com

Manufacture, market and distribute animal sera and cell culture reagents.

### **Attillaps Pharmaceuticals**

Denver

attillapsholdings.com

Attillaps is a developmental stage pharmaceutical company, pioneering a novel drug platform for the treatment of inflammatory 

### **Aurora Oncology**

Aurora

auroraoncology.com

Aurora Oncology is developing drugs to treat superficial bladder cancer and to treat drug resistant bacterial infections.

### **Avidity, LLC**

Aurora

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

### **Aximmune**

Fort Collins

aximmune.com

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Ax-101 is a small molecule immunooncology drug with potent anti-tumor activity when used as a single agent, dramatically reducing the size of lymphoma in some patients and stabilizing growth in others with intact immune systems while causing no significant drug related adverse effects.

### Aytu BioPharma

Englewood

avtubio.com

We truly offer our customers an end-to-end partnership for the research, development and manufacture of small molecule therapeutics at every stage of the drug lifecycle.

### **BCell Solutions, Inc.**

Colorado Springs

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

beryltherapeutics.com Using Lipidomics to improve quality of life in

humans and animals. Starting with bone.

### Biogen

Massachusetts

biogen.com

Biogen discovers, develops, and delivers worldwide innovative therapies for people living with serious neurological and neurodegenerative diseases.

### BioMarin Pharmaceuticals

California

biomarin.com

BioMarin is a world leader in developing and commercializing innovative biopharmaceuticals for rare diseases driven by genetic causes.

### **Biomimetix JV, LLC**

Greenwood Village

biomimetixpharma.com 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.

Boulder

bioplx.com

BioPlx is an advanced microbiomics company developing non-antibiotic methods for the control of infectious disease, including multipledrug resistant "super-bugs". The company employs targeted microbiological agents along with nutrient, and signaling factors to create unique and protectable formulations.

### BioResponse, LLC

Boulder

hioresponse com

Researches, develops and commercializes dietary supplements for better absorption and functional foods.

### Bolder BioTechnology, Inc.

Boulder

holderhio 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.

### Bond Pets

Aurora

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

bouldersci.com

Provides organometallic compounds to the pharmaceutical, polymer, and specialty chemical industries.

### Brickell Biotech, Inc.

Boulder

brickellbio.com

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

### Bristol-Myers Squibb

New York

bms.com Global biopharmaceutical company dedicated to discovering, developing and delivering innovative medicines that help patients prevail over serious diseases.

### Cambrex

Longmont/North Carolina

cambrex com

Cambrex is the leading small molecule company that provides drug substance, drug product and analytical services across the entire drug lifecycle. Driven by passion, our pharmaceutical products, expertise and technologies accelerate our customers' small molecule therapeutics into markets across the world.

### Care Research, LLC

Fort Collins

careresearchllc.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.

### **CBL Biopharma**

Boulder

cblbiopharma.com

Offering peptide starting materials, peptide intermediates, and industrial and commercialscale manufacturing of proprietary and generic GMP and non-GMP peptides.

### Cell>Point

Centennial 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

cerebraltherapeutics.com

Combines advanced micro-dosing technology with proprietary medications to precisely deliver treatments to the other side of the bloodbrain barrier to improve the lives of patients with uncontrolled neurological diseases.

### Cerecin

Denver/Singapore cerecin.com

Cerecin is a global healthcare company with almost 20 years of innovation and leadership in brain health and target conditions ranging from memory impairment to neurological diseases.

### **Ceria Therapeutics**

Aurora

ceriatherapeutics.com

We are a preclinical biotechnology company focused on developing innovative and novel therapies to treat overactive and nonproductive inflammation to promote healing.

### Cetya Therapeutics, Inc.

Fort Collins

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.

### Cirque Cryotech

Boulder

cirquecryotech.com There's increasing demand for the efficient cryopreservation of cells, tissues, and even whole organs. The compounds currently used to protect cells against ice crystal formation are themselves toxic. which reduces efficient recovery. Cirque Cryotech can identify drugs that reduce that toxicity and improve recovery rates.

### **Click Nucleic Acids, Inc.**

Boulder

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

### ClinImmune Labs

Aurora

clinimmune.com

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

### Clovis Oncology, Inc.

Boulder

clovisoncology.com Focused on acquiring, developing and commercializing innovative anticancer agents in the US, Europe and additional international markets.

### Colorado Biofactory

Monument

coloradobiofactory.com

Colorado Biofactory designs proteins and engineers diverse nonconventional microbes to improve planetary health. We aim to reduce our reliance on environmentally degrading practices and instead regenerate landscapes through innovative biological solutions.

### **Cogent Biosciences**

Boulder/Massachusetts

cogentbiosciences.com

Cogent Biosciences is a biotechnology company developing real solutions to treat genetically driven diseases. With a focus on the design of rational precision therapies, we are leveraging validated biology to address the true underlying drivers of disease and provide real hope for patients.

### Colorado Histo-Prep (CH-P)

Fort Collins

histoprep.com

Produces high quality slides, clinical chemistry and hematology data and fully integrated and detailed seamless pathology reports.

### **Colorado Research Partners**

Developing novel drugs that block the effects of sugar, including sugar craving, and sugar-induced obesity, hypertension, fatty liver and diabetes.

### Colorado Serum Company

Denver

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

### Corden Pharma

Boulder

cordenpharma.com Corden Pharma Colorado is the small to largescale resource for peptides manufacturing.

### Crestone, Inc.

Boulder

crestonepharma.com Drug discovery and development company focused on developing novel treatments

### **CSL Behring**

Pennsylvania

cslbehring.com CSL Behring is a leading global biotech company driven by its promise to save and improve lives. We manufacture remedies for serious and rare diseases.

for serious bacterial infections.

### Cytocom

Fort Collins

cytocom.com Cytocom, Inc. is a clinical-stage biopharmaceutical company developing novel immunotherapies targeting autoimmune, inflammatory, infectious diseases and cancers based on a proprietary platform designed to rebalance the body's immune system and restore homeostasis.

### Cytoskeleton, Inc.

Denver

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 Dicerna Pharmaceuticals

Boulder

dicerna.com

Dicerna Pharmaceuticals, Inc., is a biopharmaceutical company focused on the discovery and development of RNAi-based therapeutics for diseases involving the liver, including rare diseases, viral infectious diseases, chronic liver diseases, and cardiovascular diseases.

### C DMC

Boulder

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.

### **©** Edgewise Therapeutics

Boulder

edgewisetx.com

Edgewise Therapeutics is a biotechnology company focused on developing novel therapies for diseases involving skeletal muscle.

### **C** Editas Medicine

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

### C Eli Lilly

Indiana lilly.com Lilly is a global healthcare leader that

unites caring with discovery to make life

better for people around the world.

**©** EnLiven Therapeutics

Boulder EnLiven Therapeutics focuses on the discovery and development of next generation small molecule treatments for cancer.

### **Entero Track**

Aurora

enterotrack.com Next generation monitoring of

gastrointestinal allergic diseases.

### **©** Enveda Biosciences

Boulder envedabio.com

At Enveda, we're harnessing the complexity of the natural world to tackle today's biggest healthcare challenges. With breakthrough advancements in machine learning, computational metabolomics, and knowledge graphs, we're discovering the next generation of small molecule therapeutics.

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### **Essent Biologics**

Centennial

essentbiologics.org

Starting with the donor, Essent Biologics acts as the catalyst to advance regenerative medicine, biopharmaceutical and cell therapy research from benchtop to bedside. The company supplies products in small or large volumes and serves as a manufacturing partner by creating master cell banks and an inventory of custom products within a tailored specification.

### **Exxel Pharma Inc.**

Aurora

exxelpharma.com

The company is focused on the development of small-molecule therapeutics for safe, non-addictive treatment of a pain, PTSD and substance (e.g. opioid) use disorders. Exxel is specifically targeting disease areas with significant unmet medical needs and aims to become the leader in therapeutics that enhance endocannabinoid signalling by FAAH inhibition.

### Flagship Biosciences, Inc.

Westminster

flagshipbio.com

Flagship Biosciences, Inc. is a leading datacentric pathology diagnostic and clinical trial services company delivering the most accurate and informative data available. Our services and technology dramatically improve on traditional methods, eliminating variability, and bring new insights to tissue analysis. We provide expert scientific consultation for every client and identify the best course for success.

### FluoroFinder, LLC

Broomfield

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.

### **C** Gates Biomanufacturing Facility

Aurora

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

### **GENASSIST, Inc.**

Greenwood Village genassist.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.

### Genentech

California

gene.com

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

### **Gilead Sciences**

California gilead.com

Gilead Sciences, Inc. is a research-based biopharmaceutical company focused on the discovery, development, and commercialization of innovative medicines.

### GlaxoSmithKline (GSK)

United Kingdom

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.

### Globelmmune. Inc.

Louisville

globeimmune.com Globelmmune is developing Tarmogen product candidates to treat cancer and infectious diseases.

### GRAIL, Inc.

California grail.com

GRAIL is a healthcare company whose mission is to detect cancer early, when it can be cured. GRAIL is focused on alleviating the global burden of cancer by developing pioneering technology to detect and identify multiple deadly cancer types early.

### Greffex, Inc.

Aurora

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.

### HepQuant, LLC

Aurora

hepquant.com

HepQuant-E is non-invasive, uses stable (not radioactive) isotopes, and relies on natural, well-defined hepatic functions to measure the portal circulation.

### Horizon Therapeutics

Illinois

horizontherapeutics.com

Horizon Therapeutics is 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.

### **C** IASO Biomedical, Inc.

Centennial

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

### **IM Therapeutics**

Aurora

imtherapeutics.com

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

### **Immunoah Therapeutics**

Aurora

immunoah.com

Focuses on researching and developing proprietary antibodies in the field of cancer immunotherapy.

### 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

ingenovax.com

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

### Inscripta Boulder

inscripta.com

Inscripta is 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.

### C Intra-Cellular Therapies

New York

intracellulartherapies.com Our Mission is to develop innovative treatments to improve the lives of individuals suffering from neuropsychiatric and neurologic disorders in order to reduce the burden on patients and their caregivers.

### Invenux, LLC

Aurora

Research and development for orphan diseases.

### InVitria

Aurora

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.

### **KBI Biopharma**

Boulder

kbibiopharma.com

KBI Biopharma is an award-winning biopharmaceutical contract services organization providing fully-integrated, accelerated drug development and biomanufacturing services to pharmaceutical and biotechnology companies globally.

### KromaTid, Inc.

Longmont

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.

### Lab79 Technologies, Inc.

Boulder

Developing a method to sequence DNA by monitoring the changes in force as a piece of single-stranded DNA is pulled through an interface.

### **Laporte Immunotherapeutics**

Fort Collins

laporteimmuno.com

Topical immunotherapy for prevention and control of respiratory and ocular viral and bacterial infections.

### Legacy BioDesign, LLC

lohnstown

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.

### **Levana Biologics**

Denver

levanabiologics.com

Levana Biologics is a biotechnology company that 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.

### C Lohocla Research Corporation

Aurora

lohocla.com

We work towards one goal: developing products that improve people's lives. Understanding the challenges of chronic pain and addiction, we focus on transforming the lives of patients suffering from these conditions. We have developed a first-of-its-kind molecule that selectively modulates a discrete set of receptors involved in the chronic-pain signal pathway in overactive peripheral nerves.

### **Machavert Pharmaceuticals**

Aurora

machavert.com

Develops a new class of immunotherapies to help the human body to fight various diseases, such as cancer or autoimmune disorders.

### MBC Pharma, Inc.

Aurora

mbcpharma.com Biopharmaceutical company focused on discovering and developing drugs for bone diseases such as cancer and osteoporosis.

### MenoGeniX

Aurora

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.

### Merck & Co., Inc.

New Jersey 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

### Molecular BioSciences, Inc.

Boulder

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

Developing a pipeline of repurposed compounds focused on monocyte regulation as vaccine adjuvants.

### Mosaic Biosciences

Boulder

mosaicbio.com Focused on the development of innovative materials for tissue regeneration and repair.

### **Mycobateria Therapeutics**

Boulder

Mycobacteria Therapeutics Corporation is harnessing the potently anti-inflammatory properties of soil-derived mycobacteria that have developed over millions of years of evolution. We specialize in the cultivation of novel strains of mycobcateria and testing of these bacteria for mental health and stress resilience benefits.

### Nanoly Bioscience, Inc.

Denver

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

nanospherehealth.com Created an advanced delivery system platform to change the way people take and benefit from nutraceutical supplements and medications.

### **Neurexis Therapeutics**

Aurora

neurexistherapeutics.com Stroke and cardiac arrest affect millions of patients each year. Re-establishment of blood flow to the brain—although lifesaving—does not address the substantial impact on quality of life and healthcare costs associated with the resulting neuronal death and cognitive impairment. Neurexis is directly addressing this unmet need.

### New Iridium, LLC

Boulder

newiridium.com Organic photocatalyst technology that empowers the next generation of pharmaceutical and chemical manufacturing.

### Novartis

Switzerland

novartis.com Novartis is a global healthcare company based in Switzerland that provides solutions to address the evolving needs of patients worldwide.

NovoNordisk New Jersey

novonordisk.com A global healthcare company with more than 90 years of innovation and leadership in diabetes care.

### Novus Biologicals, a bio-techne brand

Centennial

novusbio.com Develops, tests and markets antibodies for research of human diseases such as cancer, cardiovascular and neurological disorders.

### **Nucleic Designs**

Boulder

Commercializing a proprietary method of gene assembly that uses uniquely modified DNA oligonucleotides.

### Omix Technologies

Aurora omixtech.com

Omix Technologies Inc is applying novel, state-of-the-art mass spectrometry towards system biology analyses that support product development in the fields of transfusion

medicine and regenerative medicine.

### **OnKure Therapeutics**

Boulder

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, LLC

Aurora

Op-T has developed a diagnostic and therapeutic platform targeting autoimmune diseases.

### C Otsuka Pharmaceuticals

Maryland

otsuka-us.com Otsuka's pharmaceutical business develops and markets products for the diagnosis and treatment of disease in the following areas: central nervous system, oncology, gastroenterology, ophthalmology and cardiovascular.

### **Pantheryx**

Boulder

pantheryx.com PanTheryx is a biotechnology company committed to realizing the potential of novel interventions to address a wide range of serious GI microbiome related health conditions.

### Pathways Bioscience, Inc.

Aurora

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 peaklab.net

Specializes in materials and chemical analysis. Performs a variety of molecular and atomic level spectroscopic techniques to identify failures and defects.

### **Peak Serum**

Fort Collins peakfbs.com

Our 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.

### C Pfizer, Inc.

Boulder/New York pfizer.com Discovers, develops, manufactures, and markets prescription medicines for humans and animals.

### PhosphoSolutions, LLC

Aurora

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.

### PhotonPharma, Inc.

Fort Collins photonpharmaceuticals.com PhotonPharma is an immune oncology company. Our break-through technology, Innocell, stimulates a patient's own immune system to seek out and destroy cancer cells. After validating Innocell in animal studies and a dog trial treating

spontaneously forming cancers, we are ready

to proceed to human trials. The therapy is

effective, simple, fast and inexpensive.

### Plato Biopharma

Westminster platobiopharma.com

PBI's integrative pre-clinical research platform generates decision-enabling data via physiological evaluation of disease models, assessment of acute and chronic in vivo pharmacologic responses, and evaluation of histologic and contemporary biomarkers across core organ systems.

### **Prolume**

Aurora prolume.com

Prolume is a biotechnology company whose core business is based upon newly discovered genes from deep water marine bioluminescent organisms. This has broad applications for biomedical research, drug discovery, and entertainment.

### Pvxant Labs. Inc.

Colorado Springs

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

quicksilverscientific.com Clinical and environmental mercury lab and dietary supplement manufacturing.

### Regenexx

Westminster

regenexx.com

Advances stem cell therapies through development of Regenexx™, an injection procedure to treat a wide variety of painful conditions.

### Respirogen

Boulder

respirogen.com

Respirogen Oxygen Microbubble (OMB) technology will deliver oxygen to patients suffering from hypoxia and ARDS in lung compromise. OMB provide an alternative therapy to ventilator protocols, delivering oxygen in critical patients while reducing time and cost of care in the ICU. The company has demonstrated efficacy in large animal lung injury models and is proceeding to human clinical trials.

### **Reven Pharmaceuticals**

Westminster

reven.com

A global healthcare company with more than 10 years of innovation and leadership in vascular care.

### Rheumagen

Aurora

rheumagen.com

RheumaGen is a gene-editing technology that permanently halts — not just manages the symptoms of — RA. It accomplishes this through the use of stem cells.

### **Rock Immune**

Aurora

Rock Immune's mission is to develop and commercialize diphtheria toxin based recombinant immunotoxins as therapeutic drugs for treatment of cancer and autoimmune diseases.

### **Rocky Mountain Diagnostics, Inc.**

Colorado Springs

rmdiagnostics.com

Provides immunodiagnostic assays and reagents for biogenic amines, research reagents, a CLIA certified reference laboratory and contract manufacturing services.

### Sachi Bioworks

Boulder sachibio.com

Sachi Bioworks is a Genetic Tools and Therapeutics company. Our proprietary platform integrates innovations in systems and synthetic biology, chemistry, and nanotechnology to develop high-precision hybrid molecules that probe genes in diverse organisms. The platform offers high specificity and transport enabling precise, accelerated, cloning-free genetic tools to manipulate gene expression.

### Saigene Biotech, Inc.

Denver

saigene.com

Developing testing processes to identify harmful algae blooms.

### Sanofi

New Jersey

sanofi.com Sanofi US is comprised of five business units that focus on human vaccines, rare diseases, multiple sclerosis, oncology, immunology, infectious diseases, diabetes and cardiovascular solutions, consumer healthcare, established prescription products and generics.

### Sepanta, Inc.

Fort Collins

sepantainc com Sepanta's mission is to develop nonviral therapeutics delivery vectors based on the proprietary biocompatible and biodegradable smart polymer platform.

### **Sinfonia Biotherapeutics**

Boulder

sinfoniabiotherapeutics.com Developing novel, bioreactor-delivered treatments for familial and genetically-defined orphan neurodegenerative diseases

### **SiVEC Biotechnologies**

Fort Collins

SiVEC Biotechnologies aims to revolutionize the delivery of nucleic acids and other biologically active cargo to enable the development of safer and more effective therapies.

### **STAQ Pharma**

Denver

503B Outsourcing facility. Focused on sterile, pre-filled syringes.

### **Sudhin Biopharma Company**

Sudhin Biopharma Co develops

### SuviCa, Inc.

suvica com

Discovery and development of small

### Taiga Biotechnologies, Inc.

Aurora

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.

### The BioCollective, LLC

Denver

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

Scientific leadership and innovation in RNAi, Gene Expression, gPCR/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** Think Bioscience

Boulder

Think Bioscience uses engineered microorganisms to discover, evolve, and build targeted small-molecule therapeutics. We help pharmaceutical

Boulder

tissueforminc.com

A micro particle tissue technology

### C Tolmar

Fort Collins/Windsor

tolmar com

A fully integrated pharmaceutical company focused on the development, approval, and commercialization of specialty pharmaceutical products.

### TopoGEN, Inc

Buena Vista

topogen.com TopoGEN is a proven leader in Mechanistic Drug Development and Cancer Research, and the Provision of Cell-Context DNA Repair Kits. We also produce quality topoisomerases and related assay and drug screening kits as technology transfer platforms from our lab to yours.

California

ultragenyx.com

Ultragenyx is a biopharmaceutical company committed to bringing to patients novel products for the treatment of rare and ultra-rare diseases, with a focus on serious, debilitating genetic diseases. Ultragenyx's strategy is predicated upon time and costefficient drug development, with the goal of delivering safe and effective therapies to patients with the utmost urgency.

### Validus Cellular Therapeutics

Aurora

validustherapeutics.com Validus Cellular Therapeutics is innovating solutions to resistant infections using cellular therapies.

### **Ventria Bioscience**

Aurora

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

### Vertex Pharmaceuticals

Massachusetts

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

### **Vesicle Therapeutics**

Boulder

Vesicle Therapeutics is a biotechnology startup company focused on developing engineered extracellular vesicle therapeutics and vaccines.

### Vida Biomedical

Denver vidabiomedical.com

Vida Biomedical LLC is an early clinical stage biotechnology company that discovers, develops, and accelerates treatments for serious medical conditions. Vida works in concert with inventor partners to advance life-changing science.

### **C** Viridian Therapeutics

Boulder

viridiantherapeutics.com

Viridian Therapeutics is advancing new treatments for patients suffering from serious diseases but underserved by today's therapies. In our lead programs, we are developing multiple product candidates that target the insulin-like growth factor-1 receptor (IGF-1R) to treat patients who suffer from thyroid eye disease (TED), a debilitating auto-immune disease.

### VisuGen Global, LLC

Aurora visugenglobal.com

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

### VitriVax, Inc.

Boulder

vitrivaxbio.com

A platform technology enabling the preparation of thermostable, single-shot vaccines.

### Vitro Biopharma

Golden

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.

### Vivaldi Biosciences

Fort Collins

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

### **Watchmaker Genomics**

Boulder watchmakergenomics.com Watchmaker Genomics combines deep domain expertise in protein engineering with enzyme manufacturing to address the demanding quality, performance and scale requirements

### YewSavin, Inc.

Fort Collins

yewsavin.com Develops chemical and biochemical technologies. Successfully finished multistep syntheses using Bromination, Grignard reaction, Suzuki coupling, Amidation, and Esterification reactions.

of high-growth genomics applications.

### yuScience, LLC

Aurora

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

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sivecbiotechnologies.com

stagpharma.com

### Superior

sudhinbio.com

novel continuous and more efficient

Boulder

molecules for the treatment of cancer.

Lafayette

thermofisher.com

thinkbioscience.com companies drug the undruggable.

### TissueForm

that targets scarring, wrinkles and tissue loss due to aging or injury.

### C Z Biotech, LLC

Aurora

zbiotech com

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

### Zalgen Labs, LLC

Aurora 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.

### **AG BIO AND ANIMAL HEALTH**

### **Advanced Regenerative Therapies (ART)**

Fort Collins

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

### **Agripro COKER**

Berthoud

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

### **Animal Health Options**

Golden

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

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

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

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

### Bond Pets

Aurora

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

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

### **Cargill Research**

Fort Collins

cargill.com

Develops, processes and markets sciencebased, health promoting ingredients for food and dietary supplement industries worldwide.

### Colorado Genetics, Inc.

Loveland

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

### Colorado Quality Research, Inc.

Wellington

coloradoqualityresearch.com Leading innovator in poultry research.

### Colorado Serum Company

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

### Concentric

Denver/Montreal

concentricag.com Inocucor 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 dairymd.com

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

### Dairy Tech, Inc.

Greeley

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

### **DVM Systems**

dvmsvstems.com Technology leader in herd health management.

### E.I. Medical Imaging

Loveland

eimedical.com

Provider of portable ultrasounds for veterinarian and livestock procedures to create positive business impacts.

### **Emergy Foods**

Boulder

meati.com

Whole muscle, plant-based meat alternative company. Developed a sustainable, proprietary process to produce food and ingredients and finished goods from fungal mycelium.

### **Eurofins BDI**

Longmont

eurofinsus.com

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

### **Evolutionary Genomics**

Castle Rock/Longmont

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

siphons.com

Global leader in the manufacture and distribution of dosing siphons.

### **Front Range Biosciences**

Lafayette

frontrangebio.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

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

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

genesislabs.com

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

### GeneThera, Inc.

Westminster

genethera.net

Develops and markets molecular technologies to eradicate "cross over" diseases such as Johne'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.

### Growcentia

Fort Collins

growcentia.com

Makes organic soil supplements that naturally increase nutrient availability to support healthy and vigorous plants.

### **Hach Company**

Loveland hach.com

Focused on providing cleaner water to the world, with improved diagnostics.

### Heska

Fort Collins

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

### **HiveTech Solutions**

Westminster

hivetechsolutions.com

This woman-owned tech startup is on a mission: improve bee health and support beekeepers across the country in their commitment to protecting our most important pollinators.

### imuTek Laboratories, Inc.

Fort Collins

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.

### **Industrial Laboratories Co.**

Wheat Ridge

industriallabs.net

An independent third-party analytical laboratory that specializes in food and drug analysis.

### **Innate Immunity**

Fort Collins/New Mexico

Innate Immunity is a biotechnology startup focused on plant and crop health, aiming to clear some of the most devastating bacterial, viral, and fungal diseases affecting crops including grape, citrus, apple, and pear. We prevent pathogen-induced diseases with the design of host-derived antibacterial chimeras.

### **International Bovine Training Solutions**

Loveland

bovinetraining.com

A training experience focused on improving the reproductive performance on dairy and beef operations.

### Jonah Ventures, LLC

Boulder

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 that pollinators rely on.

### Jorgensen Laboratories, Inc

Loveland 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

keetonagua.com Researches and develops biological water treatment, aeration, ozone aeration, solids removal, biofiltration and other new technologies.

### **Lacuna Diagnostics**

Fort Collins

lacunadiagnostics.com Lacuna Diagnostics 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 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.

### **Living Ink Technologies**

Aurora

livingink.co

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

### **Loveland Products, Inc.**

Greelev

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.

### **Membrane Protective Technologies, Inc.**

Fort Collins

membrane-protect.com

Blend of organic plant extracts which improves artificial insemination pregnancy rates in cows.

### Microbial Research, Inc.

Fort Collins

microbialresearch.com

A veterinary services microbiology laboratory that conducts GLP and GCP compliant research trials.

### MycoTechnology

Aurora

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.

### **New West Genetics**

Fort Collins

newwestgenetics.com

New West Genetics is a global leader in hemp seed genetics, combining traditional breeding, modern genomics, and agribusiness expertise to create premium, proprietary hemp products—specifically bred to reduce risk and improve yields for sustainable production.

### **Optibrand Ltd., LLC**

Fort Collins

optibrand.com Specializes in livestock identification

devices and veterinary diagnostics. OptiEnz

Fort Collins optienzsensors.com Produces innovative biosensors for continuously measuring organic chemical

concentrations in water and aqueous solutions.

**Pisces Molecular** Boulder

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

### **Poudre Canyon Therapeutics**

Fort Collins

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 purecultures.com

Pure Cultures is 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

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 plantlabs.com

Applies laboratory plant cloning and greenhouse technologies to produce planting stocks for breeders, greenhouses, and field crop producers.

### Syngenta

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

### **Van Grow Biotechnology**

Longmont

vangrowbiotech.com

Van Grow utilize natures robust microbes in all of our products. This results in more nutritious feed-stocks, healthier animals and healthier farmlands. Our focus is in the many different aspects of plant and animal health with a primary emphasis on microbial fermentation.

### **Verdant BioSciences Corp.**

Denver

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.

### VetDC

Fort Collins

vet-dc.com

Focused on the development of novel devices, diagnostics and therapeutics for emerging veterinary markets, including an approved therapy for canine lymphoma.

### VetMeasure

Fort Collins

vetmeasure.com

Produces harnesses that enable accurate detection of an animal's health statistics to optimize care and treatment options.

### **Warren Analytical Laboratory**

Greeley

warrenlab.com

Specializes in food microbiology, molecular biology, food chemistry, residue chemistry and nutritional labeling.

### Zoetis

Longmont zoetisus.com

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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.

### **DIGITAL HEALTH**

### **AbleLink Technologies**

Colorado Springs

ablelinktech.com Addresses the need for well-researched cognitive support technologies for individuals with intellectual disabilities.

### Actuate Health

Castle Rock

actuate.health

Actuate Health develops and markets disruptively innovative technologies in the fields of biosensors and digital health. Actuate Health is focused on technologies that can provide diagnostic, therapeutic and preventative tools to combat the current Covid-19 pandemic and future respiratory viruses.

### ADAN.net

Denver

adan.net

Comprehensive Lifetime Navigation Platform for people with Autism and other developmental disabilities.

Centennial

aivante com

AiVante Health Solutions provides Data Analytics and Decision Support solutions for optimizing healthcare financial and plan selection decisions.

### **BioIntellisense**

Aurora

biointellisense.com

The BioIntelliSense Data-as-a-Service (DaaS) platform and FDA-cleared BioSticker™ on-body sensor are bringing medical grade monitoring and management to the home for scalable remote care.

### BioLoomics, Inc.

Boulder

bioloomics.com

Providing a B2B service to pharma R&D companies that predicts clinically relevant effects of drugs using a high throughput platform drug screening technology.

### BurstlQ

Denver

burstiq.com Building a secure and open platform for health data.

### **CirrusMD**

Denver cirrusmd.com

Developed a platform to connect patients and providers via text messaging without putting personal health information at risk.

### CIVHC

Denver

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

### Cliexa

Denver

cliexa.com

Provides decision support to physicians and other healthcare providers during the treatment process and optimizes treatment methods based on evidencebased knowledge and data.

to design and drive collective change.

### ClinOne

Greenwood Village

ClinOne.com

ClinOne is dramatically changing the landscape of clinical trial management to accelerate clinical trial execution, reduce costs and provide patients with access to life-changing clinical trials to advance medicines far more rapidly than today.

### Connexall

Boulder connexall.com

Enterprise-grade event management and control platform that delivers hospital-wide interoperability to people, systems, tasks, and devices.

### **CORHIO**

Denver 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.

### Countermind

Littleton

countermind com

Countermind's Mobile Intelligence™Platform we are able to deploy solutions quickly and with little or no custom programming involved. Once our platform is in place, we can deploy new workflows in hours. And there's more.

### **DARTNet Institute**

Aurora

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.

### **DreamFace Technologies**

Denver

dreamfacetech.com

"Ryan" is a social companion robot for dementia patients who delays the onset of advanced dementia through stimulating games, music and crafts.

### Earable, Inc.

Boulder

earable.ai

Earable is a neuroscience company developing wearables that detects real-time neural signals to stimulate the brain to improve sleep, focus, and other cognitive functions.

### EngageMyHealth, LLC

Greenwood Village

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.

### Eon

Denver

eonhealth.com

Eon EPM is an end-to-end patient management platform that uses Computational Linguistics best in class proprietary data science models—to assist with actionable finding identification and longitudinal tracking.

### **Etta Epidermis**

Denver etta.io

Etta is an Artificial Intelligence that uses massive datasets of hospital-verified images to provide a data-driven skin insight. The insight that Etta provides is determined by level of risk (Low, Medium, High). Values for accuracy, precision, recall, sensitivity and specificity are used to determine your risk.

### **EverSleep**

Golden

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.

### gaugewear, Inc.

Boulder

gaugewear.com

Developing the first wearable, wireless, noninvasive core body temperature sensor.

### **Global Healthcare Exchange (GHX)**

Louisville

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 Scholars**

Westminster

healthscholars.com Improve patient safety with Health Scholars One™ learning software, simulation management, and virtual reality medical training.

### **Health Sqyre**

Denver

healthsqyre.com

Digital health e-commerce platform that empowers patients with tools that allow them to price compare and use their insurance to buy medical supplies online.

### **Hippo Health**

Boulder

hippohealth.com Communication platform for clinicians and patients. Easy care collaboration for your entire care team.

### **IMIDEX**

Denver

imidex.com IMIDEX is a leader in clinical decision support solutions in healthcare.

### **Link To Learn**

Denver

linktolearn.org Link to Learn's Realistic Enhanced Augmented Learning eXperience (REAL-X) improves

Tactical Combat Casualty Care Training through hands-on cadaveric skills practice combined with Augmented Reality in a mobile and interactive learning lab.

### **Logisens Corporation**

Fort Collins

logisens.com Develops biosensor and software technology, enabling a significant breakthrough in realtime measurement and reduction of stress.

### LumenAstra

Boulder lumenastra.io LumenAstra™ is commercializing a patent for a non-invasive, wearable core body temperature sensor.

### **MedAware Systems**

Broomfield

medawaresystems.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.

### Medecipher

Denver

medeciphersolutions.com Medecipher helps hospitals improve the quality of care for patients, improve the quality of the work environment for staff, and reduce operating costs with a suite of proactive planning and EMR-integrated real-time decision support tools for optimizing clinical operations.

### MedKeeper

Lakewood

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

### METHOD, LLC

Aurora

themethoddifference.com Bridges the gap between exercise and medicine to optimize performance, monitor and speed recovery and prevent injury.

### **C** MFB Fertility

Boulder proovtest.com

Proov rapid response test strips empower women to know more about their mentrual cycles and progesterone levels in five minutes, at home.

### **Mindful Labs**

Aurora

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

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.

### MuscleSound, LLC

Denver

musclesound.com MuscleSound is a software technology that automates the analysis of musculoskeletal ultrasound images, we are the MuscleHealth company.

### myStrength

Denver mystrength.com Created a platform to help healthcare payers and providers extend access to evidence-based resources to help

### **Now Vitals**

Aurora

nowvitals.com Phone case and software that records vital signs, teling you when you're "offbaseline" or starting to get sick.

consumers better manage depression,

anxiety and substance abuse disorders.

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### **Nymbl Science**

Denver

nymblscience.com

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

### OpiSafe

Denver

opisafe.com

Data collection and analysis for unmatched opioid intelligence and solutions.

### **Physician Cognition**

Telluride

physiciancognition.com

Created a differential diagnosis search engine to minimize misdiagnoses and prevent unnecessary testing and procedures.

### PreAcute PHM, Inc.

Aurora

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.

### PrecisionProfile, Inc.

Boulder

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**

Helps hospitals recognize and predict patient risk and improve quality of care.

### Prima-Temp, Inc.

Boulder

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

### **RxRevu**

Denver

rxrevu.com

RxRevu has created the industry's most accurate price transparency network. Our solutions allow providers to view patient-specific cost and coverage information at the point-of- **SmartTab** care, removing administrative hurdles, reducing patient costs, and improving health outcomes.

### SafelmageMD

Denver

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.

### Sana Health

Boulder

sana io

Sana is the world's first pain & sleep management mask, aiding people around the world.

### **Self Aware Apps**

Denver

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.

### **Serenity App**

Denver

serenityapp.com

Serenity brings the family and care team together on a single, secure messaging platform, allowing families access to the care team, and communities to deliver peace of mind to families.

### Skindroid

Aurora

skindroid.org

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

Greenwood Village 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

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

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 bin-aural beat system to slow the brain rate from an awake state to a sleeping state.

Denver smarttab.co

SmartTab is a digital medicine company on a mission to provide novel, effective therapies that improve patient outcomes. SmartTab has developed a personalized wireless drug delivery platform comprised of an ingestible capsule with a microprocessor, proprietary smart polymer actuator, and active ingredients.

### SomaLogic, Inc.

Boulder

somalogic.com

Uses proprietary technology and bioinformatics capabilities to discover disease-specific protein signatures and translates those into actionable diagnostic and prognostic health information.

### Sonaura, LLC

Fort Collins

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

soprishealth.com

Improving physician satisfaction by dramatically reducing data entry.

### Spout

Denver

safespout.com

Spout is the most accurate lead test for in-home drinking water, accurately detecting total lead concentrations well below 1 partper-billion. Spout is a subscription-based, IOT device that utilizes single-use test cartridges.

### StrideTech

Westminster

stridetechgo.com

StrideTech Go is a technology embedded walker attachment that provides real-time haptic feedback when incorrect walker use is detected, empowering aging adults to learn and maintain correct mobility device use.

### **Tech-X Corporation**

Boulder

txcorp.com

Specializes in scientific and engineering software, including visualization and algorithm development.

### Test Appropriate, LLC

Littleton

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

### **TRIDENT XI**

Denver

tridentxi.com

We specialize in proven technologies that save and improve lives in public safety and healthcare.

### ValidCare, LLC

Denver

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.

### **Visible Hand**

Denver

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.

### **Visible Network Labs**

Denver

visiblenetworklabs.com

Visible Network Labs is a network data science and strategy company working to tackle the problem of adverse social connectedness in the way we collaborate and provide care.

### Vista LifeSciences

Parker

vistalifesciences.com

Innovative healthcare technology solutions for global healthcare challenges.

### Wellian

Boulder

wellian.com

Wellian™ is a wellness platform to correlate your lifestyles/habits with your health conditions and symptoms in order to help you improve your overall wellness.

### **Wellness Intel**

Denver

Developing an application to help patients make informed decisions about their healthcare.

### **ACADEMIC AND RESEARCH** INSTITUTIONS

### BioFrontiers Institute

Boulder

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.

### Boettcher Foundation Webb-Waring **Biomedical Research Program**

Denver

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.

### **BSCS Science Learning**

Colorado Springs

bscs.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.

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

Fort Collins

cdc.gov

The Division of Vector-Borne Infectious Diseases (DVBID) 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. DVBID serves as a national and international reference center for vector-borne viral and bacterial diseases.

### **CHI Institute for Research and Innovation** (CIRI)

Englewood

chiresearch.org

The CHI Institute for Research and Innovation (CIRI) coordinates research and clinical trial opportunities across more than 100 CHI hospitals and academic medical center partners. The program connects our hospitals, physicians, and research staff with clinical trials from within CHI and across the nation and brings dedicated private government and industry partners to the table.

### **Children's Hospital Colorado**

Aurora

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. 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.

### Colorado School of Mines

Golden

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.

### Colorado State University

Fort Collins/Pueblo/Denver colostate.edu

Colorado State University is consistently counted among the top-performing research universities in the nation – posting more than \$400 million in expenditures. Our researchers are leaders in atmospheric science, energy, water, veterinary and translational medicine, natural resources, chemistry, occupational therapy, and anthropology, and with ongoing and traditional strength in areas such as engineering and food production.

### **Craig Hospital**

craighospital.org

A world-renowned rehabilitation hospital that exclusively specializes in the neurorehabilitation 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

biomarc.colostate.edu

BioMARC is a non-profit biologics Contract Development & Manufacturing Organization owned and operated by Colorado State University (CSU) serving bio-pharmaceutical companies and government agencies.

### **CSU Research Innovation Center**

Fort Collins

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.

### CSU Ventures, Inc.

Fort Collins

csuventures.org CSU Ventures, a division of CSURF, builds relationships between academia, industry, and investors seeking to leverage CSU innovations to foster business formation and enhance regional economic vitality. CSURF is a 501(c)(3) non-profit corporation that provides strategic real estate services, corporate financing, and tech transfer for the CSU System (CSU Fort Collins, CSU-Pueblo, CSU-Global).

### CU Innovations

Aurora cuanschutz.edu/cu-innovations 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 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**

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 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.

### **Denver Research Institute**

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.

### Fitzsimons Innovation Community

Aurora

fitzsimonsinnovation.com

At Fitzsimons Innovation Community, visionaries boldly transform science into the future of health and care. Our community pushes boundaries in a unified pursuit of health breakthroughs. From concept through commercialization, organizations choose Fitzsimons for its entrepreneurial environment, leading-edge facilities, and campus-wide support. Visionaries discover, develop, and collaborate with direct access to the renowned clinicians and researchers at the University of Colorado Anschutz Medical Campus. We are united to advance health.

### **Front Range Community College**

Brighton/Fort Collins/Longmont/Westminster 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.

### Innosphere Ventures

Fort Collins/Denver/Boulder 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.

### Keystone Symposia on Molecular and **Cellular Biology**

Silverthorne

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)

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.

### National Jewish Health

Denver

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,

### National Jewish Health Advanced **Diagnostic Laboratories**

cancer, and cell and molecular biology.

Denver

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 15189<sup>sM</sup> accreditation.

### **Regis University**

Denver

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.

### **Rocky Vista University College of** Osteopathic Medicine (RVUCOM)

Parker

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.

### **Rose Medical Center**

Denver

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.

### **Scientific Education & Research** Foundation

Thornton theserf.org

World class medical facility, amphitheater and bioskills lab.

### Steadman Philippon Research Institute

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

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.

### **CONTRACT**UCHealth Simulation Center

Aurora

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 multidisciplinary expertise in health care.

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

Denver

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.

### University of Colorado

Boulder/Denver/Aurora/Colorado Springs

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.

### University of Colorado Cancer Center

Aurora

uch.edu/colorado-cancer-center University of Colorado Cancer Center's experts overcome cancer through innovation, discovery, prevention, early detection, multidisciplinary care, and education. Our renowned physicians and researchers conduct patient-centered research to develop innovative, state-ofthe-art technologies, and treatments.

### University of Colorado Denver - Center for **Surgical Innovation**

Aurora

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.

### Cuniversity of Colorado Denver, iC42

Aurora

bioanalytics.us iC42 Clinical Research and Development is a global bioanalytical Service Center that combines quantitative mass spectrometry, metabolic and protein profiling technologies in a regulatory compliant environment under one roof. Our strength and emphasis lie in the assessment of vascular

endothelial dysfunction markers and

pediatric pharmacological solutions.

### University of Colorado Health

Aurora/Loveland/Fort Collins/Colorado Springs uchealth.org

Top medical professionals, superior medicine and progressive change make UCHealth University of Colorado Hospital in metro Denver (UCH) one of the leading hospitals in the nation. Our hospital, a partner institution in the UCHealth system, includes primary care and specialty clinics around the state, as well as our central facilities at the Anschutz Medical Campus.

### University of Denver

Denver

du.edu

The University of Denver is a private institution built on exploration through research and collaboration among educators, students, and local and global communities.

### **University of Northern Colorado**

Greelev

unco.edu Founded in 1889 and tucked between the Rocky Mountains and Colorado's stunning high plains, UNC is a public doctoral research university committed to the success of its 13,000 students, with more than 100 undergraduate programs and 120 graduate programs. The university's just-right size, expert faculty, and tradition of research and hands-on learning gives students exceptional opportunities and a personalized education.

### **MEMBER SERVICE PROVIDERS**

**CONSULTING - GENERAL BUSINESS** 

**Richtr Financial Studio** 

richtr.io



**Boulder iO** 

boulderig.com

### vcfo

vcfo.com

Veideland Inc. veideland.com

CONSULTING - REGULATORY, **DEVELOPMENT & COMMERCIALIZATION** 

**Azzur Group** 

azzur com



**Boulder BioConsulting** boulderbioconsulting.com

> Due Diligence & Exit Prep R&D Tax Credits

CorpDev & Fundraising

info@Richtr.io 303-449-9222

### **CBR International Corporation** cbrintl.com



**Elevation Strategic Development** elevationsd.com

**EVERSANA** 

eversana com

**Innosphere Ventures** 

innosphereventures.org

**RMC Pharmaceutical Solutions** 

rmcpharma.com

**RS Ness America** 

rs-ness.com

### **CONTRACT RESEARCH ORGANIZATIONS**

**CARE Research LLC/Colorado Histo-Prep** 

careresearchllc.com

**CPC Clinical Research** 

cpcmed.org

**Illingworth Research Group** 

illingworthresearch.com

### Inotiv

inotivco.com

Microbial Research, Inc.

microbialresearch.com

National Jewish Health / ADX Labs

njlabs.org

Plato BioPharma, Inc.

platobiopharma.com

**Premier Laboratory** 

premierlab.com

Pyxant Labs, Inc.

pyxant.com

**Rocky Mountain Poison & Drug Safety** 

rmpds.org

### **CONTRACT STERILIZATION SERVICES**

**Boulder iQ** 

boulderig.com



### **DATA SYSTEMS**

**Blue Marble Enterprises** 

blue-marble.com

L7 Informatics

L7informatics.com

Skyland Analytics, Inc.

skylandanalytics.net

**DESIGN AND CONTRACT** MANUFACTURING ORGANIZATIONS

**Cambrex** 

cambrex.com

**Design Solutions Inc** 

design-solutions.com

### **Evergreen Research, Inc.**

evergreenresearch.com

### KBI Biopharma, Inc.

kbibiopharma.com

### Kineo, Inc.

kineo.us

### **Meddux Development Corporation**

meddux.com

### **PADT**

padtinc.com

### **Prospect Life Sciences**

prospectlifesciences.com

### **System Insight Engineering**

systeminsightengineering.com

### **Vista Engineering Group**

vistaengineeringgroup.com

### **ENGINEERING AND CONSTRUCTION**

### **cGMPnow**

cgmpnow.com

CRB

crbusa.com



### **GBA Builders**

gbabuilders.com



### i2 Construction

i2construction.com

### **MOA Architecture**

moaarch.com

### Mortenson

mortenson.com

### **ECONOMIC DEVELOPMENT**

### Adams County Economic Development, Inc. (ACED)

adamscountyed.com

**Aurora Economic Development Council** 

auroraedc.com

### **Boulder Economic Council of the Boulder** Chamber

bouldereconomiccouncil.org

### City of County of Broomfield, Economic **Development Department**

investinbroomfield.com

### **Colorado Office of Economic Development** and International Trade (OEDIT)

choosecolorado.com

### **Metro Denver Economic Development** Corporation

metrodenver.org

### **ELECTRONIC SUBMISSIONS**

### TruSubmit

trusubmit.com

### TruSubmit

### We are not just Publishers. We are Regulatory Professionals!

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### **EUROPEAN REPRESENTATION AND GLOBAL DEVELOPMENT STRATEGIES**

### **CBR Biotech Strategies Gmbh**

cbrbiotech.com



### **EUROPEAN REPRESENTATION AND GLOBAL DEVELOPMENT STRATEGIES**

Strategic Development and Representation for Biotech, Device and Pharmaceutical Companies

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### FINANCE AND INVESTMENT

ey.com

### J.P. Morgan Private Bank

ipmorgan.com/privatebank

### **KMG Capital Partners, LLC**

kmgcap.com

### **Plante Moran**

plantemoran.com

### **Richtr Financial Studio**

richtr.io

### RICHTЯ>

### Helping Life Science Innovators Scale Their Company

- SBIR/OEDIT/DCAA Acct'g
- > Investor Ready Proformas
- Acct'g & Capital Planning
- <>> Fractional CFO
- Positioning for Capital

<> Investor & Advisor Network nfo@Richtr.io 303-449-9222

Silicon Valley Bank (SVB Financial Group) svb.com

### vcfo

www.vcfo.com

### **HUMAN RESOURCES**

### PEO Concepts, Ltd.

peoconcepts.com

### **INCUBATORS AND ACCELERATORS**

### **Fitzsimons Innovation Community**

fitzsimonsinnovation.com

### **Innosphere Ventures**

innosphere.org

### **INSURANCE**

### CCIG

thinkccig.com

### Higginbotham

higginbotham.net

### LAB EQUIPMENT AND SUPPLIES

### Ellab, Inc

ellab.com

### **General Air Service & Supply**

generalair.com

### Thermo Fisher Scientific, Inc.

thermofisher.com

### **LEGAL SERVICES**

### **Acuity IP**

acuityip.com

### **Cooley LLP**

cooley.com

### **Dorsey & Whitney LLP**

dorsey.com

### **Finnegan**

finnegan.com

### **Holland and Hart**

hollandhart.com

### **PSL Law Group**

psllawgroup.com

### RoseTree IP, LLC

www.rosetreeip.com

### Sage Law Group

sagelawgroup.com

### **Sheridan Ross PC**

sheridanross.com

### **Shook Hardy & Bacon**

shb.com

### **Snell & Wilmer**

swlaw.com

### MARKETING, COMMUNICATIONS AND PUBLIC RELATIONS

### Biolexica

biolexica.com

### Griff SMC, Inc.

griffsmc.com

### **MITTERA Group**

mittera.com

### **People Productions**

peopleproductions.com

### **Primavera Group**

the prima veragroup.com

### PACKAGING AND DISTRIBUTION

### **Packaging Compliance Labs**

pkgcompliance.com

### **PUBLIC POLICY**

### Advanced Medical Technology Association (AdvaMed)

advamed.org

### Biotechnology Innovation Organization (BIO)

bio.org

### **The Conafay Group**

conafaygroup.com

### **PhRMA**

phrma.org

### We Work for Health

weworkforhealth.org

### REAL ESTATE

### **Cushman & Wakefield**

cushmanwakefield.com

### **Fitzsimons Innovation Community**

fitzsimonsinnovation.com

### **Forte Commercial Real Estate**

fortecre.com

### Jones Lang LaSalle

joneslanglasalle.com

### **NexCore Group**

nexcoregroup.com

### RECRUITING, PLACEMENT, AND WORKFORCE

### Actalent

www.actalentservices.com



### **Green Key Resources**

greenkeyllc.com

### **TESTING AND CERTIFICATION**

### Ellab, Inc

ellab.com



