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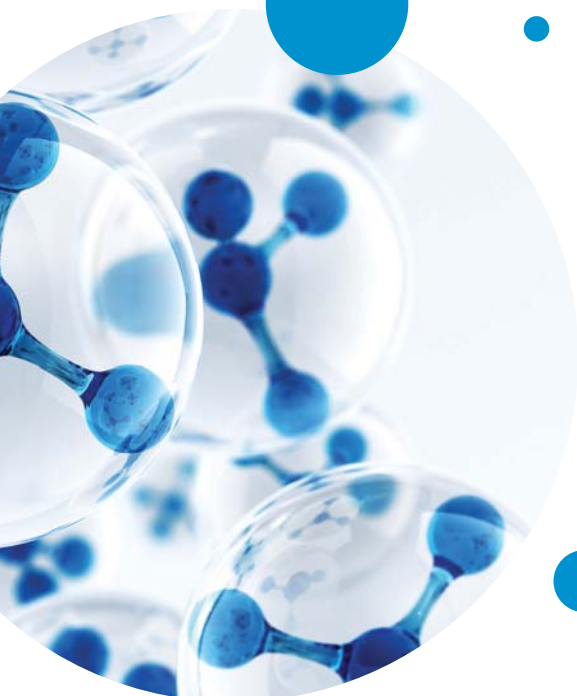


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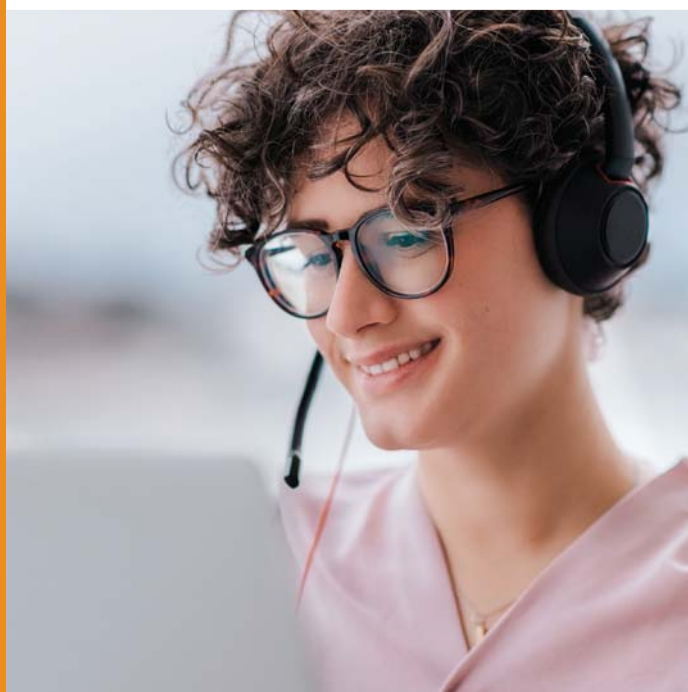


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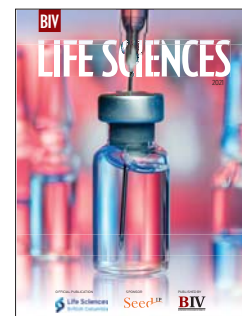
CONTENTS



FEATURES

- 9 BUILDING A BIGGER SECTOR**
COVID-19 propels the industry forward
- 14 REAL ESTATE HURDLES**
Burgeoning biotech industry needs space
- 20 FIVE COMPANIES TO WATCH**
Breakthrough innovation in B.C.
- 28 GROWING PSYCHEDELICS**
New opportunities for an old substance

Message from Canada's minister of innovation, science and industry	5
Message from B.C.'s minister of jobs, economic recovery and innovation	6
Message from LSBC's president and CEO	7
Message from Genome BC	18
Biggest life sciences companies in B.C.	32
2020 clinical milestones in B.C.'s life sciences sector	34
2020 investments in B.C.'s life sciences sector	35
Life sciences companies at a glance	36
Life Sciences BC membership directory	38
23rd annual Life Sciences BC Awards	44



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INVESTING TODAY TO PREPARE FOR THE NEXT HEALTH CRISIS

Canada is taking action to become a global life sciences leader



**FRANÇOIS-PHILIPPE
CHAMPAGNE**

During the COVID-19 pandemic, the world has witnessed a new era of health innovation, with countries re-evaluating the importance of their domestic capabilities so they can be more resilient in the face of future health emergencies. While Canada has a solid life sciences sector,

including world leading science and research capabilities, the pandemic has reinforced our need to be ready for future global health crises. From the outset of the crisis, we have worked tirelessly to rebuild Canada's domestic biomanufacturing sector by focusing on both short-term strategic solutions and a long-term vision. We have already invested over \$1.2 billion to rebuild Canada's vaccine, therapeutics and biomanufacturing capacity here at home. On July 28, we launched the Biomanufacturing and Life Sciences Strategy, with more than \$2.2 billion over seven years from Budget 2021 to continue growing a strong and competitive sector, and to ensure our country is prepared for future pandemics.

I want to applaud the efforts of the life sciences sector in British Columbia during this challenging period. Companies, big and small, acted nimbly – switching production and re-focusing research towards vaccines, therapeutics and health initiatives. This resiliency and hard work have benefited not only the province's residents, but Canada and the world. It is Canadian science, especially coming from B.C., which has contributed to the advancements of the leading messenger ribonucleic acid (mRNA) vaccines we see today saving lives around the world.

Here in B.C. so far, we have provided more than \$220 million through the Strategic Innovation Fund and the National Research Council to develop vaccine technologies and

treatments for COVID-19 and make sure we are prepared for the next health crisis.

These investments are having a real impact. I had the opportunity to visit a number of biotech companies in late July during my tour in B.C. and meet with some of the world-class talent that is at the heart of their success. The work they are doing is crucial to the diversification of our life sciences sector. For example, Vancouver's AbCellera Biologics has secured a site in Vancouver for a facility to produce therapeutic antibodies. As well, Precision Nano-Systems is building a facility that will allow them to produce RNA vaccines and future genetic medicines. Investments in Bold Therapeutics, Symvivo and Qu Biologics are also delivering results.

These investments are guided by Canada's Biomanufacturing and Life Sciences Strategy, which I announced in Vancouver last month. The strategy is driven by two objectives: to grow a strong, competitive life sciences sector with cutting-edge biomanufacturing capabilities, and to make certain that Canada is prepared for pandemics and other health emergencies. This will grow our capabilities and position Canada as a world leader in the discovery, development and deployment of the next generation of medicines that will benefit the world and generate new economic opportunities for Canada. This will also make Canada a desirable destination for investment and, with its strong life sciences sector and exceptional talent base, British Columbia is in a prime position to contribute and lead.

Through targeted investments and thoughtful policies, Canada is taking decisive action to beat COVID-19 and become a global leader in biomanufacturing and life sciences. As we continue to battle through the pandemic into recovery, I am heartened to be working with our friends and partners in British Columbia's life sciences sector. I know that together, we will make our shared goals a reality. 🐾

The Honourable François-Philippe Champagne is Canada's minister of innovation, science and industry.

THE PANDEMIC HAS REINFORCED OUR NEED TO BE READY FOR FUTURE GLOBAL HEALTH CRISES

A PLAN TO GROW B.C. INNOVATION

Collaboration crucial to supporting a strong innovation system



RAVI KAHLON

British Columbia's growing life sciences industry is at the forefront of developments in biotechnology and pharmaceuticals, medical devices and medical technology. B.C. is home to world-class talent and companies producing first-rate products and services in the areas of HIV-AIDS, oncology

and genomics, and they continue to play a pivotal role responding to the impacts of the pandemic.

Throughout the COVID-19 pandemic, life sciences and biotech companies around the globe have responded with leadership and innovation, and British Columbia's sector is no exception. Our life sciences sector is proud to contribute to cutting-edge research and the development of therapeutics, tools and essential equipment that has served in the fight against COVID-19.

B.C. companies have shown grit and innovation, using science to turn the tide on the pandemic by supporting vaccine development and the production of personal protective equipment and ventilators.

With nearly 2,000 companies and more than 50 research centres, British Columbia is one of the largest, most dynamic clusters of life sciences and biotech organizations in Canada. The province is well-positioned to continue to develop breakthrough innovations, products and processes that address key societal issues and transform people's lives.

As we continue to recover and rebuild from the pandemic, B.C. is making bold plans to shape a different kind of economy – one that is sustainable, inclusive, innovative and oriented to solving problems that matter to people and the planet.

One way we are working to drive our economy forward is through InBC – a first-of-its-kind \$500-million strategic investment fund to help promising B.C. companies grow innovation, attract investment and create jobs, while ensuring the province remains competitive.

And to make sure B.C. remains resilient, our innovation commissioner is the province's champion for technology and innovation, and promotes it across all regions and sectors of the economy to ensure long-term growth.

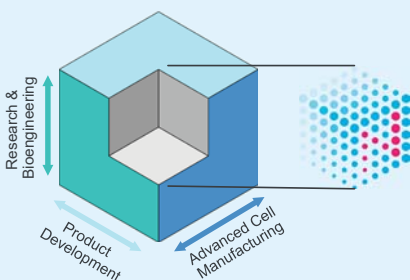
Collaboration is crucial to success, and it is essential that the private, public and academic sectors continue to work together for a strong and sustainable innovation system.

In the months ahead, British Columbians will help us develop a new economic plan that builds on our strong foundation. As we move forward, key sectors such as life sciences, tech and innovation, healthcare, natural resources and, most importantly, our people, will help us get to where we want to be.

In the near future, I look forward to visiting life sciences and biotech companies throughout the province to witness the groundbreaking work they continue to do and how they can support the province toward a future that's innovative, sustainable and inclusive. 🐾

The Honourable Ravi Kahlon is B.C.'s minister of jobs, economic recovery and innovation.

IT IS ESSENTIAL THAT THE PRIVATE, PUBLIC AND ACADEMIC SECTORS CONTINUE TO WORK TOGETHER FOR A STRONG AND SUSTAINABLE INNOVATION SYSTEM



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LIFE SCIENCES IN B.C. HAS ALREADY COME OF AGE

The sector is positioned to drive both innovation and economic growth



WENDY HURLBURT

When I wrote my message for our annual magazine last year, very few of us knew exactly what lay ahead. In the time between then and now, we've experienced the impact of a global pandemic that has affected our daily lives, work and families. However, this is not what our magazine is about. Although COVID-19

has dominated headlines for more than 16 months, life science companies throughout British Columbia showed that they are – and always have been – ideally positioned to drive and inspire growth in our province.

As a mission-oriented sector, B.C. life science companies offer solutions to the great challenges facing our province – healthcare, welfare, sustainability and economic recovery.

Our award winners this year illustrate this perfectly; they exemplify the exceptional response to COVID-19 and next-generation leaders in the field. Our magazine draws inspiration from them and our incredible life sciences sector. We're celebrating a bright future and post-pandemic recovery built on a strong foundation of excellence.

Over the last year, I've been privileged to be more than just an observer as B.C.'s life sciences sector pivoted with no trace of panic. Our entire life sciences ecosystem flexed research, leadership and innovation to deliver local and global health solutions. From a strong foundation of excellence in basic science and research, the life sciences in B.C. delivered cell systems for studying this novel disease, along with messenger ribonucleic acid (mRNA) vaccine technology, home-grown respirators, COVID-19 therapeutics and an outpouring of personal protective equipment for frontline workers.

As people shuttered themselves during the initial stages of pandemic lockdowns, companies across B.C. pivoted their research and production capabilities. Under strong and innovative leadership, Life Sciences BC (LSBC) members pivoted to tackle the emerging health crisis. The result? Therapeutic antibodies, insight into this novel respiratory virus and mRNA delivery technology for successful vaccines.

Our 2021 Life Sciences Update, co-written with the Greater Vancouver Board of Trade (GVBOT), notes that: "Virtually every COVID vaccine and candidate in late-stage clinical development was consulted, initiated, developed or manufactured by Vancouver community members."

Today, all British Columbians should be proud of where their vaccine comes from.

But despite the pandemic, the life sciences sector in B.C.

continued to grow during 2020. The recent BC Capital Market Report from the BC Securities Commission shows that our biotechnology sector increased capital raising to \$2.3 billion, an increase of 123%. Furthermore, the majority was raised by four of our LSBC members – AbCellera Biologics, Zymeworks, Aurinia Pharmaceuticals and Xenon Pharmaceuticals.

Compared to 2019, when B.C. biotech companies raised \$700 million from the top four deals, in 2020 they more than doubled that to \$1.5 billion.

We're the third-largest Canadian life sciences sector, and we're the fastest growing – home to 45% of all companies listed in Canada. With more than half of the Canadian-listed venture companies, B.C. has a great reputation as an incubator for up-and-coming businesses. With growth, B.C. life sciences generate employment – family-friendly jobs for sustainable income and security.

And we're keen to spread the word.

The LSBC team also pivoted into the new virtual day-to-day, switching from in-person breakfast meetings to virtual webinars and digital showcases. We've delivered 24 events to a total of 3,315 attendees over the last year. Our top three events each gathered more than 350 attendees.

Our audience grew, bringing attention from around the world. In addition to audiences in Canada and the U.S., we've seen attendees from many other countries including India, United Arab Emirates, Nigeria, China, Poland and South Africa. We're also seeing increased traffic to the lifesciencesbc.ca website with its comprehensive membership directory with company profiles.

I'm excited that we are able to bring more attention to B.C. life sciences. COVID-19 woke up the world and Canada to life sciences in B.C., and we're delighted to keep up that momentum. The release of our June 2020 report, in collaboration with the Province of British Columbia and Global Affairs Canada, presented a strong profile of the province's life sciences sector. Our 2021 update with GVBOT builds on this. Not only does the report show how well the sector in B.C. responded to COVID-19, but it also provides a road map that will help capitalize on opportunities to grow innovation, attract investment and create jobs.

I look forward to working with you and our very generous sponsors for another year, raising our collective profile and making sure members have the resources and support they need to thrive.

Our sector has already come of age – it's now positioned as a transformational change-maker for B.C., for Canada and globally; an engine not only for economic growth, but also for innovation, healthcare and sustainability. We're building on excellence for a bold, bright future. 🖊️

Wendy Hurlburt is president and CEO of Life Sciences BC.

OUR SECTOR HAS ALREADY COME OF AGE – IT'S NOW POSITIONED AS A TRANSFORMATIONAL CHANGE-MAKER FOR B.C., FOR CANADA AND GLOBALLY

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BUILDING A BIGGER LIFE SCIENCES SECTOR IN B.C.

COVID-19 pandemic propels industry forward



Ryan D'Arcy is co-founder and chief scientific officer at Surrey-based HealthTech Connex Inc. • SUBMITTED

BRIGITTE PETERSEN

B.C.'s life sciences sector has grown by leaps and bounds in recent years and faces a bright future, but not without challenges, according to a recent report and industry experts.

Hurdles include challenges around growth to support commercialization of made-in-B.C. treatments and technologies, based on the report titled *B.C. Life Sciences Update 2021: Building on a Foundation of Innovation*. Obstacles include access to data, a number of complex regulatory, reimbursement and procurement processes and a lack of consistent capital and commercialization incentives to grow companies and attract talent.

Published by Life Sciences BC and the Greater Vancouver Board of Trade (GVBOT), the report identifies a shortage of wet-lab and manufacturing space, scarcity of executive-level talent, inconsistent collaboration across levels of government, academia, research and industry to scale companies and adopt innovation, and the lack of a coordinated data strategy. It calls for a three-to-five-year growth strategy to secure the sector as a key, long-term economic driver.

Life Sciences BC's president and CEO Wendy Hurlburt says one of the biggest concerns is a shortage of suitable real estate for lab space and manufacturing.

"We already have excellence in science to build on, but there's a real danger of it being stunted by not having enough space to grow," says Hurlburt. "We really need investment in critical infrastructure – lab space and manufacturing ability will ensure that we reach, not lose, full potential."

TAKING STOCK

The sector has come a long way since 2008-09, when the global financial crisis hit B.C.'s life sciences sector hard. It's made huge strides since – such as contributing to messenger ribonucleic acid (mRNA) technology – and is recognized globally for breakthroughs involving antibodies, genomics and nano and precision medicines.

NEW COMPANIES SHOW THAT THIS BOOM HAS LEGS



Jennifer Hamilton

Senior director of early innovation partnering
Johnson & Johnson Innovation

While the sector experienced 6% growth in 2018, the COVID-19 pandemic propelled it forward, positioning it as one of the fastest-growing sectors in B.C. There are currently about 2,050 companies employing 18,000 people in research, testing, laboratories, medical devices and equipment and the drug and pharmaceuticals industries. In 2020, about 1,300 clinical trials were conducted at 100 sites in B.C., mostly in oncology and rare disease, along with 25 COVID-19 trials.

Hurlburt says the sector is “more than ready” to keep building on its successes.

“Over the last two decades, life sciences in B.C. has grown, thriving on strong science, innovative thinking and supportive mentoring, to create the fastest-growing life sciences sector in Canada,” she says. “As events of the last year and more have shown, our sector has already come of age in both attracting investment, providing global solutions and showing exemplary leadership.”

Ryan D’Arcy, co-founder and chief scientific officer at Surrey-based



Jennifer Hamilton is senior director of early innovation partnering at Johnson

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LIFE SCIENCES SECTOR IN B.C.



Paul Geyer is the CEO of
Discovery Parks and Nimbus
Strategies • SUBMITTED

HealthTech Connex Inc., says the pandemic made areas such as biotech, digital and health technologies stronger.

“From an investment standpoint, it’s one of the brighter sides,” says D’Arcy, a neuroscientist and university professor. “We’re seeing a lot of interest in investing in Canadian technology and in B.C. life sciences specifically.”

With a record-breaking \$2 billion in market capital raised last year, B.C.’s life sciences companies have attracted higher investments and created more jobs. This trend is continuing and many are projecting more growth.

Consisting of mostly small-to-mid-size companies, the sector includes heavy hitters like Canada’s largest biotech company, Stemcell Technologies, and Starfish Medical, a major medical device design, development and contract manufacturing company. The province hosts three of the country’s largest biotech companies, with more than \$1 billion in market capitalization: AbCellera Biologics, Aurinia Pharmaceuticals and Zymeworks.

Paul Geyer, CEO of Discovery Parks and Nimbus Strategies, calls life sciences research in B.C. “excellent,” but says there is a lack of commercialization expertise.

“Currently there are very few programs focused on commercialization and funding of companies,” says Geyer.

Existing programs supporting commercialization include the Creative Destruction Lab program at the University of British Columbia, the Industrial Research Assistance Program and Scientific Research and Experimental Development Tax Incentive Program. Provincially, the Small Business Venture Capital Program promotes angel investment in technology companies.

The B.C. government also announced a new \$500 million strategic investment fund called InBC Investment Corp. in the spring to support local technology and life sciences companies, but it’s not up and running yet.

COVID’S IMPACT

The sector’s pandemic response included developing vaccines and anti-viral therapies, manufacturing ventilators, screening tools and tests and digital health tools. Challenges included a lack of connection between producers of new therapies, products and technology, and users.

B.C.’s life sciences sector has performed well since the start of the pandemic and continues to look strong, according to D’Arcy.

“Many of the assets that B.C. has in the life sciences cluster were pre-positioned ahead of the pandemic and have now become demonstratively important in innovation,” he says.

The pandemic led to disruptive innovation in the sector, explains D’Arcy, who predicts accelerated growth, especially for new health and digital technologies.

“It forced overdue innovations in our ability to access medical data, and our ability to provide care virtually,” he says. “Many of our companies were positioned in that space ahead of time, and now it’ll be interesting to watch as they continue to grow.”

With companies like Abcellera, Precision Nanosystems and Vanrx leading in mRNA technology and pharmaceutical manufacturing tools, Geyer says the sector should continue the momentum created by the pandemic.

“The timing is definitely right and B.C. companies have played a significant role in vaccine development and deployment,” he explains. “Now is the time for B.C. to take advantage of these successes and build out our local infrastructure and capabilities.”

Jennifer Hamilton, Johnson & Johnson Innovation’s senior director of early innovation partnering, says B.C.’s life sciences sector has “taken off” in 2021 with many companies reaching critical mass and proof of concept.

Those in therapeutics are making great strides, medical devices companies are proving to be forces in the community and digital health companies are likely here to stay, according to Hamilton.

“New companies show that this boom has legs,” says Hamilton. “For the first time, we have enough critical mass to both employ our scientist graduates and attract talent. Companies are actually having to post positions and hire big name North American headhunters rather than rely on word of mouth.”

B.C.’s many incubators support the sector, along with mentorship programs and competitions that enable young scientists with big ideas to form companies, says Hamilton.

“Incubators give the young companies a home,” she says. “Mentoring programs and competitions get the ball rolling in the first place.”

MOVING FORWARD

B.C.’s life sciences are well positioned to lead the province as it continues its economic recovery, by offering high-paying jobs and generating new healthcare products and services, according to the Life Sciences BC and GVBOT report.

“Universities over the past decade have really built up incredibly strong talent funnels for companies, so recruiting talent locally is a huge asset for the life sciences,” says D’Arcy. “We are really strongly B.C.-based now. Also, we’ve strengthened our connection internationally through the Cascadia [Innovation] Corridor with

Washington State, Oregon and California.”

Recommendations in the report include enhancing investment in talent to attract, develop and retain scientific leaders, with a focus on C-suite leadership to support commercialization and growth. It also calls for a dedicated life sciences fund to support the venture capital market, early-stage growth and incubator organizations.

The report suggests streamlining regulatory processes to attract the next generation of technologies, and implementing competitive tax policies. Besides more space for labs and manufacturing, it calls for a strategy to provide faster access to data.

“We still have to address making this an affordable place to live, making sure that our products and services can get into regulatory and procurement spaces, and ensuring that we can get sizable investment to scale at a rapid rate,” says D’Arcy.

Geyer says the sector is well positioned to lead the province as it continues its economic recovery. While he predicts the steady growth of startups, he foresees a continued lack of large anchor companies and commercialization talent. When it comes to investing in the sector, Geyer says the provincial government needs to “wake up and smell the coffee.”

“They have been completely asleep at the switch with respect to specifically supporting life sciences from the programs’ standpoint and from the investment standpoint,” says Geyer, who encourages more investment at early stages of talent development by supporting organizations that introduce youths to science, technology and entrepreneurship. 🐼

THE TIMING IS DEFINITELY RIGHT AND B.C. COMPANIES HAVE PLAYED A SIGNIFICANT ROLE IN VACCINE DEVELOPMENT AND DEPLOYMENT



Paul Geyer

CEO

Discovery Parks and Nimbus Strategies



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REAL ESTATE HURDLES PUT PRESSURE ON BIOTECH

Burgeoning B.C. industry stymied by limited real estate options

LEFT: Symvivo Corp. is pursuing a COVID-19 vaccine backed by more

than \$7 million in funding from Ottawa • CHUNG CHOW

TYLER ORTON

When the COVID-19 pandemic broke out last year, Canada's dismal domestic manufacturing capacity for vaccines was exposed for all to see.

Caught flat-footed without the ability to manufacture vaccines at scale, Ottawa began investing millions in Canadian companies to ensure the nation had the ability to produce its own remedies if and when the next pandemic struck.

B.C. companies have proven agile at meeting the call while navigating a limited real estate market.

One of the ongoing issues, though, is B.C. biotech companies' ability to lock down proper facilities within the famously tight Metro Vancouver real estate market.

"We've punched way above our weight. And I think also what we've seen is the rest of the world recognize what great science we have, which has been fantastic," says Wendy Hurlburt, CEO and president of the Life Sciences BC industry association.

But she's concerned about the ability of start-ups to thrive if there is nowhere for them to set up shop.

With limited facilities out there in the region, well-capitalized B.C. companies such as AbCellera Biologics Inc. – which raised US\$555 million through a blockbuster initial public offering in December 2020 – and Precision NanoSystems Inc. (PNI) – acquired a few months ago by U.S. giant Danaher Corp. – have been able to afford to build massive new facilities.

In May 2020, Ottawa earmarked \$175.6 million from its Strategic Innovation Fund to AbCellera to bolster the country's response to future pandemics, both through the company's existing drug discovery technology, as well as the development of a manufacturing facility.

AbCellera, which had developed a COVID-19 therapeutic with its platform, is in the midst of building a new 380,000-square-foot headquarters in Vancouver's Mount Pleasant neighbourhood, as well as a 130,000-square-foot production facility a few minutes' drive away in the city's east side.

PNI is in the midst of selecting a site for its own \$50 million, 40,000-square-foot biomanufacturing facility in Metro Vancouver, with plans to open in 2023. Ottawa is covering \$25

million of those costs, and has also provided \$18 million to allow PNI to pursue its own COVID-19 vaccine.

The Vancouver company specializes in a class of vaccines known as self-amplifying ribonucleic acid (RNA) vaccines. These have the potential to create more potent vaccines as they amplify the signal, allowing PNI to manufacture more doses for less volume.

It would be able to produce up to 240 million of the self-amplifying RNA vaccine doses, while Pfizer Inc. and Moderna Inc. specialize in messenger RNA (more commonly known as mRNA) vaccines.

PNI's facility would be able to manufacture two million to 24 million mRNA doses – a significant difference compared with the manufacturing capacity for a self-amplifying RNA vaccine right here in Metro Vancouver.

But start-ups in the life sciences sector face a tougher road ahead when it comes to landing real estate primed for their needs, according to Hurlburt.

"We still have that fundamental core gap of: Where do the companies go as they branch out of academia or research

WE STILL HAVE THAT FUNDAMENTAL CORE GAP OF: WHERE DO THE COMPANIES GO AS THEY BRANCH OUT OF ACADEMIA OR RESEARCH FACILITIES



Wendy Hurlburt
CEO
Life Sciences BC

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PRESSURE ON BIOTECH

facilities?” she says.

“We are continuing to work with the B.C. government to help identify the gap.”

Hurlburt says her preference would be to develop a public-private partnership that multiple layers of government could participate in to provide a facility suitable for biotech firms that haven’t quite reached the heights of those well-capitalized companies.

“We would want it to be run by ... an entity that has experience in running these sorts of lab facilities. It’s different than just running an office building, for example,” she notes.

Kevin Nelson, executive vice-president of CBRE Group Inc., says the demands a biotech firm places on a building “is like an office user on steroids.”

“It requires additional air exchange and mechanical systems to support that. It generally requires a little bit more power than a classic office user. It requires drainage in places that office users never classically would need,” says Nelson, a member of the real estate services firm’s High Technology Facilities Group.

Part of the problem with availability of suitable real estate for the sector, he says, can be traced back to the 2008 financial crisis.

After the credit crisis put a squeeze on venture capital available to local biotech firms more than a decade ago, much of the region’s lab space dedicated to those companies was converted into conventional office space.

All those factors have created a 50% premium on rents for biotech spaces in Vancouver amid surging demand, according to Nelson.

Gordon McCauley, CEO of adMare BioInnovations Inc., a non-profit organization in Vancouver that helps commercialize academic research, says large companies can bear the costs of retrofitting space if need be.

“It’s the emerging companies that need somewhere to prove their science and prove the commercial value of what they’re doing. And they obviously can’t afford to either retrofit the space on their own or to convince landlords that they alone would be worth retrofitting for,” says McCauley, whose organization provides space to those early-stage life sciences firms.

“Whereas, if we were able to pull together the broader demand and ecosystem and build one larger facility, that can help solve the problem.”

Such an endeavour has become a reality in Montreal, where adMare embarked on a 50,000-square-foot expansion plan for its Quebec facility back in 2019.

The organization is putting the finishing touches on the expansion.

“It’s already 80% full,” McCauley says of the \$50 million project backed by public funds.

“Anybody who has an interest in seeing this ecosystem grow and seeing these jobs continue to be here in the Lower Mainland would totally be behind it.”

Alexander Graves, founder and CEO of Burnaby-based Symvivo Corp., says he’s one of the lucky companies that has not



ABOVE: Symvivo is working on separate collaborations with Merck and Co. Inc. and Janssen • CHUNG CHOW

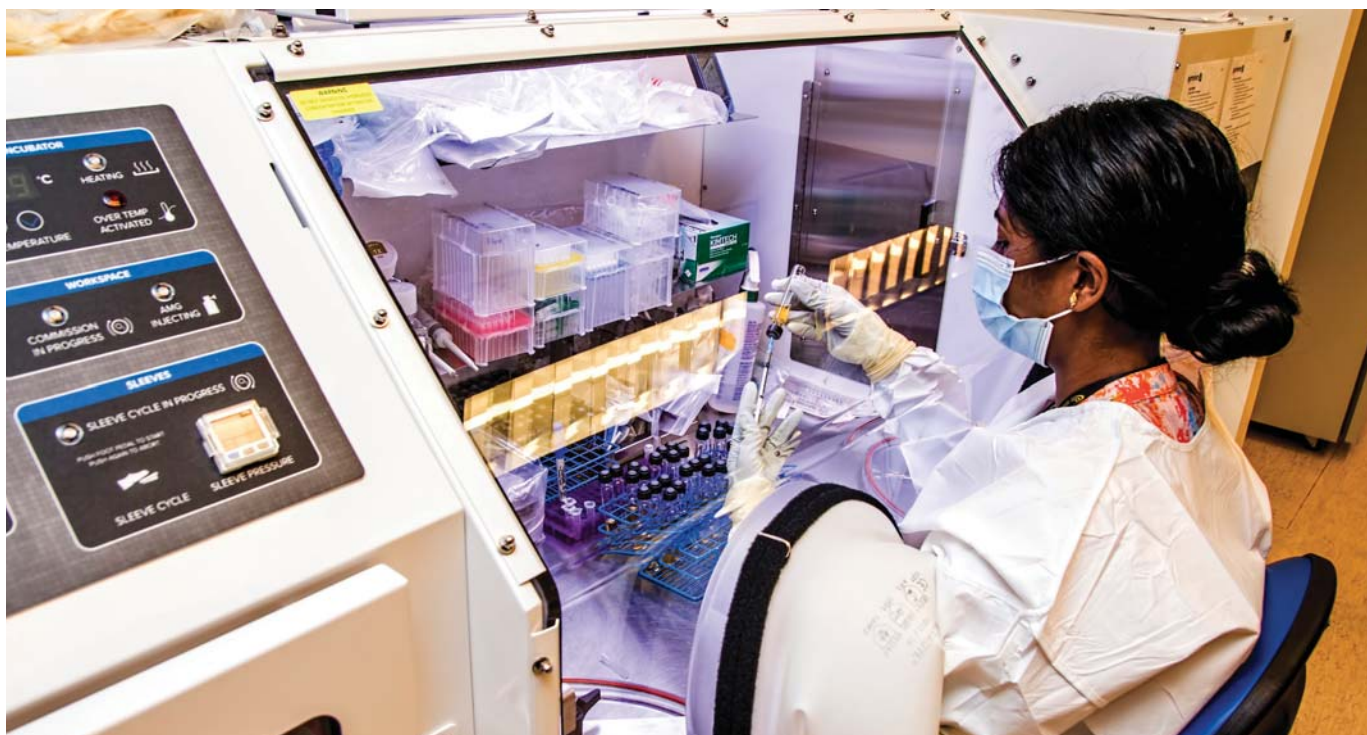
LEFT: Alexander Graves is founder and CEO of Symvivo • CHUNG CHOW

faced undue pressure locking down space within the tight Metro Vancouver real estate market.

His company is also pursuing a COVID-19 vaccine, backed by more than \$7 million in funding from the federal government. These investments come amid separate collaborations Symvivo is pursuing with Merck and Co. Inc. and Janssen, the pharmaceutical arm of Johnson & Johnson.

And the manufacturing of Symvivo’s vaccine would be seemingly more practical and cost effective than the manufacturing employed by other vaccine developers.

The company has developed a platform in which it uses live bacteria to deliver a gene to the human body to induce an immune response.



Symvivo is a clinical-stage biotechnology company that is advancing a platform to assist the treatment and prevention of life-threatening diseases • CHUNG CHOW

Symvivo's bacteria would be grown to a certain density, freeze-dried and then formulated into capsules that could be mailed to people and taken orally.

"That's much more straightforward and scalable and cost effective than ... all of the other vaccine platforms that are currently on the market," Graves says.

"That's one of the key parts of this technology, is that not only could it be oral and room-temperature stable, but we could make a lot of it and quite quickly in a cost-effective manner."

A June 2020 government report – prepared prior to the pandemic – reveals B.C.'s life sciences sector recorded nearly \$5.4 billion in revenue in 2018.


That's up 5.6% from 2017.

A total of 17,300 British Columbians were employed at 1,120 businesses across the life sciences sector as of 2018.


Industry employment grew 5.6% between 2017 and 2018, while the number of businesses grew 4.7% during that same period.

But Nelson and others in the industry fear that life sciences could lose local companies if there is not enough dedicated space to meet their needs.

"I'm working with a client in Vancouver who's going to do what they can do in Vancouver, and then we're going to do the rest of Toronto," says Graves. 🐦



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SEIZING THE MOMENT TO BOLSTER LIFE SCIENCES IN B.C.

Genomics has helped power the fight against COVID-19



PASCAL SPOTHELFER

The COVID-19 pandemic has put the spotlight on science and research unlike any other time in recent history. Life sciences allowed us to understand the SARS-CoV-2 virus faster than any disease-causing organism ever before. Data science facilitated the exchange of information and unprece-

ented global collaboration among scientists. One technology, however, stands out – genomics.

This past year was a watershed moment for genomics and this transformational science clearly demonstrated its value. From the earliest days of the pandemic, genomics was critical to the public health response. Genomic sequencing led to a deep understanding of the virus and allows for the tracking and surveillance of mutations and variants. Genomics informed immunologists' understanding of how our immune system builds defences against the virus. Genomics was essential for vaccine developers to produce new vaccines for clinical trials at record speed. The list goes on. Genomics will continue to play a prominent role in fighting the pandemic, monitoring the effectiveness of public health measures, adaptation of vaccines to variants and future pandemic preparedness.

Now, as the federal government looks to invest in rebuilding Canada's biomanufacturing capacity, B.C. is well positioned to play a leading role. B.C. has demonstrated a remarkable ability to mobilize in response to the COVID-19 pandemic. Over the past year, governments, not-for-profit organizations, academia and industry have come together to provide a coordinated and collaborative response to the pandemic. The capacity and willingness to collaborate in British Columbia continues to be a differentiator for B.C.'s life science ecosystem.

The COVID-19 pandemic has shown in a dramatic way that science, research and innovation must not be an afterthought

– they are essential to the wellbeing and success of our province. While our province has excelled in discovery and application, there remains an opportunity to further support the translation of research innovations into commercial success, thus helping promising B.C.-based companies grow, while generating returns that benefit all British Columbians.

Genome BC's approach to innovation aims to support the practical translation of ideas and research outcomes into new or improved products, services, processes, systems or social interactions. A key pillar of our strategy will be a funding program that fits into the landscape of programs offered by government and others, while matching the needs of the genomics ecosystem we support. This is further supported by our Industry Innovation Fund, which provides support to qualifying companies looking to scale-up operations and to boost their competitiveness during a critical time in their evolution. Genome BC's success illustrates what can be done with limited funds if leveraged properly and by working closely with the ecosystem in sync with government priorities.

Jurisdictions around the world with strong and growing life science sectors include anchor companies as an essential ingredient to attract talent and the capital investment that grow the local ecosystem. Genome BC and others have worked hard to help build this capacity within our province by investing in people and businesses to develop, attract and retain world-class talent and intellectual property. Companies such as AbCellera and Precision NanoSystems are homegrown success stories that have been years in the making and are the result of the ingenuity and drive of outstanding entrepreneurs who received the right support at the right time. We now have to ensure that established life science companies like these are retained in B.C., by providing them with an environment that allows them to be globally competitive, while continuing to foster many other promising early stage businesses. This combination of outstanding research, anchor companies, entrepreneurial start-ups and highly educated talent in a collaborative ecosystem will yield amazing economic and social benefits. 📌

Pascal Spothelfer is president and CEO of Genome British Columbia.

THIS PAST YEAR WAS A WATERSHED MOMENT FOR GENOMICS AND THIS TRANSFORMATIONAL SCIENCE CLEARLY DEMONSTRATED ITS VALUE

SEIZE THE MOMENT



A great idea is just a thought until it is brought into fruition. At Genome BC, we work with researchers, industry partners and governments to bring innovative ideas to life.



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A background image showing several petri dishes with various colored agar cultures. One dish in the lower-left foreground contains a bright orange-red medium, while the others contain translucent, light blue or teal media. The dishes are arranged in a slightly overlapping pattern.

FIVE COMPANIES TO WATCH

From touchless surgery tech, to clinical-grade wearables, *Life Sciences* presents five emerging companies that are breaking ground in British Columbia

FUSION GENOMICS

Company's "lab on a chip" to make DNA testing easier

NELSON BENNETT

There are roughly 1,400 known pathogens that can cause disease in humans, including 219 viruses. When a virus jumps from animals to humans – as the novel coronavirus did – the number grows.

So when a patient shows up at a hospital with an illness, the cause of which is not readily apparent, it can be a laborious task to identify which pathogen may be causing the illness, especially if it's novel.

A common diagnostic tool is a polymerase chain reaction (PCR) test, which detects genetic material from known viruses. But you have to know what you are looking for.

"In case of a novel virus, a PCR test will fail," says Mohammad Qadir, co-founder, president and chief science officer of Fusion Genomics, which is developing a simplified DNA test that could improve the diagnosis of infectious diseases.

Genomics and DNA sequencing have given clinicians and pathologists a new arsenal of diagnostics for identifying viruses. But it is still expensive and time consuming, so it is not yet used as a routine diagnostic tool.

But what if every hospital had a simple-to-use assay – a "lab on a chip" – that could do DNA sequencing of every pathogen in a blood, tissue or nasal swab sample, and tell clinicians within a few hours what they were looking at? More importantly, what if such a test had been available in China when the first COVID-19 patient showed up with a mysterious case of pneumonia?

"If our test was available at that time (in China), it would have told them that what you're looking at is a novel virus coming from, most likely, bats," Qadir says.

Fusion Genomics proposes to make genetic testing for pathogens routine.

"DNA-sequencing-based testing is still complex," Qadir says. "It is still expensive, and it still takes a lot of expertise. So the aim of Fusion Genomics is to enable sequencing-based testing as easy as any other hospital-based laboratory test."

A former researcher at the BC Cancer Research Centre, Qadir co-founded Fusion Genomics in 2013. The company hasn't developed anything new in the area of DNA sequencing. What it has done is automate and miniaturize the process of doing DNA sequencing assays.

Fusion Genomics' technology has three core innovations. One is a "quantum probe" that allows all critical genetic material of all potential pathogens to be obtained in a single sample.

"Our technology allows you to capture the DNA of any virus or bacteria from any human sample," Qadir says.



Fusion Genomics president Mohammad Qadir aims to make DNA testing of infectious disease routine in hospitals • FUSION GENOMICS

"Our test provides the ability that we can test for hundreds of bugs in a single test."

The second innovation is automation, using cloud-based assaying. Once the sequencing results are done, they are uploaded to the Fusion Cloud system, which can tell the pathologist within hours what pathogens were in the sample.

The third innovation was putting an assay on a small "lab on a chip" – something the size of a credit card – which Qadir says presented some engineering challenges.

"We believe that we should be able to launch our first lab on a chip test by around March, April of 2022," Qadir says.

Qadir adds that the Fusions Genomics platform would eliminate the need for a lot of complex equipment and lab technicians.

"It can be used in any hospital laboratory without complex equipment or a lot of man hours required by a technical staff," Qadir says. "All they would need is our chip and a DNA sequencer."

FIVE COMPANIES TO WATCH

XCO TECH INC.

A clinical-grade wearable that makes data more transparent

HAYLEY WOODIN

Even before the pandemic, British Columbians spent a lot of time seeing – and trying to see – their doctors.

Assuming a patient even has a family physician, they may find themselves waiting a week or more before an appointment becomes available. They spend time commuting to their doctor's office. They wait some more and, when they finally get to see their doctor face-to-face, only then does a nurse start collecting data.

"You're basically starting from scratch," points out Scott McMillan, co-founder of XCO Tech Inc., based in Penticton.

Enter Recon Health's Virtual Care Patch, a device designed by XCO and their partner Atlazo, to collect and share data at what XCO Tech calls the new point of care – a "health-system-on-a-chip" that lives on a patient's arm.

The product is really special, says McMillan, because it gives patients and their doctors clinical-grade data and insights in a product that will be more affordable than an Apple Watch.

"We're flipping this on its head and bringing the wearable consumer experience done well by smartwatches and Fitbits to the medical device world, so that we have the medical-grade quality our technologies provide, yet give that consumer friendly-experience to patients," says McMillan, who started XCO Tech in 2014 with Dr. James Miller.

What sets the Virtual Care Patch apart from consumer-facing wearables is the accurate medical insights it provides to inform



Scott McMillan is co-founder of
XCO Tech Inc. • SUBMITTED

a doctor's diagnosis. It is a medical-grade product that qualifies the vital signs, activity, sleep and cognitive data it collects to ensure that the data is valid. The device's processing power – the company's "secret sauce" – helps produce insightful health information into the software platforms used by clinicians and healthcare providers.

Virtual Care Patch wearers will also have the ability to view their own analyses, a level of intelligence and transparency only made possible by XCO Tech's work with XCO's joint venture partner in Recon Health, Atlazo.

"We think it's time that that level of convenience, insight and transparency around your health should come into the medical device world," McMillan says.

Earlier this year, XCO Tech announced a contribution of up to \$1 million from the National Research Council of Canada to improve the artificial intelligence embedded in its Virtual Care Patch, which is expected to launch in the second quarter of 2022.

In addition to processing a wide range of data, the patch will have the capacity to analyze complex conditions that would otherwise require hospital-based or lab-based monitoring – conditions such as sleep apnea, heart failure, Parkinson's Disease and sepsis.

"That's where it gets really exciting, because we can look at a patient from a whole-person health perspective. We can look at their respiratory health, cardiovascular health and cognitive health. So it really is a health-system-on-a-chip with the power to impact critically important care decisions."

WE THINK IT'S TIME THAT THAT LEVEL OF
CONVENIENCE, INSIGHT AND TRANSPARENCY
AROUND YOUR HEALTH SHOULD COME
INTO THE MEDICAL DEVICE WORLD



Scott McMillan

Co-founder, XCO Tech Inc.



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FIVE COMPANIES TO WATCH

CHINOOK THERAPEUTICS

Developing drugs to treat kidney disease

GLEN KORSTROM

A biotechnology company with a large Vancouver presence is developing drugs to treat rare kidney diseases, and aims to market the first of those drugs by 2024.

Chinook Therapeutics' genesis was in Vancouver in early 2019, when Versant Ventures spun off the company, and partnered with Apple Tree Partners to grow the venture.

Between its founding, and October 6, 2020 – when the company went public on the Nasdaq via a reverse takeover of Berkeley, California-based Aduro Biotech Inc. – Chinook had received a capital injection of about \$65 million, from Versant Ventures, Apple Tree Partners and SamSara BioCapital.

Once the reverse takeover took effect, Chinook had about \$275 million in its bank account, with much of that capital having been part of Aduro's assets.

Chinook has since been whittling down its cash hoard, and at the end of March had about \$257 million.

Chinook's three drug candidates all aim to treat rare, chronic kidney ailments that affect millions of people globally.

Atrasentan, which is now in Phase 3 clinical trials, is the drug that CEO Eric Dobmeier is most excited about.

"We should have Phase 3 data from that program in 2023, so we can potentially have that drug on the market by 2024," he says.

Atrasentan, and Chinook's second drug, BION-1301, which is in Phase 1 clinical trials, target the chronic kidney disease IgA nephropathy.

"We're doing Phase 1 studies right now, and getting some really promising data," Dobmeier says of BION-1301.

"We'll move that into later-stage trials in the next year or two. Then we'll be moving CHK-336 into the clinic. So when I look a few years into the future, I expect us to have Atrasentan moving into the market and being sold."

Dobmeier says that his goal is for the company to sell its own drugs in North America, while it is likely to partner with pharmaceutical companies for sales in Asia. He has not yet decided whether the sales strategy for Europe will include partners, or whether the company will conduct sales on its own.

"Our goal is to be a fully integrated, bio-pharmaceutical company, seller of drugs and, ultimately, to make a difference for these kidney disease patients that have very few treatment options currently."

He says treatments for rare kidney diseases are not as advanced as comparable treatments for cancers.

For example, people diagnosed with breast cancer are not simply given that diagnosis, he explains.

Instead, they are told that they have HER2-positive breast cancer, triple-negative breast cancer or some other specific kind of breast cancer.

"There are many different types of breast cancer, and they're treated differently," Dobmeier says.

"Until recently, kidney diseases had been treated pretty monolithically. It's treated with blood-pressure-lowering medications, steroids and other non-specific mechanisms that don't work very well."



Forty people staff Chinook Therapeutics' research laboratory and business development office on Great Northern Way • CHUNG CHOW

This is why one of Chinook's goals is to categorize subsets of kidney disease, find what is causing mutations and figure out what is causing the underlying kidney disease.

The aim then would be to use specific new medications to target underlying causes of the disease, and not simply apply a broad-brush treatment.

Dobmeier foresees steady corporate growth.

"We're trying to hire the best people we can in our different locations," he says.

The company bases about 40 of its 120 staff at a research laboratory and business development office on Great Northern Way in Vancouver. Its head office is in Seattle, Washington, where 40 to 50 employees are based. Others work at the company's Berkeley, California, facility or work remotely.

"I think we'll have continued growth in Vancouver, especially in the research and translational groups," Dobmeier says.

"We're building most of our clinical and development team down in the U.S., in Seattle and in California. We expect to continue to grow. We've had a lot of growth over the course of this year."

His expectation is to have a total of about 160 employees by the end of 2021.

FIVE COMPANIES TO WATCH



Nima Ziraknejad is founder and CEO of NZ Technologies • CHUNG CHOW

NZ TECHNOLOGIES

Touchless surgery tech gets public boost from COVID-era needs

CHUCK CHIANG

The COVID-19 pandemic has changed the way many people conduct themselves in public – especially when it comes to touching surfaces used by many others and mitigating the risk of infection.

That new way of life has given a University of British Columbia (UBC) life sciences start-up the opportunity to expand its horizons beyond the medical field. Vancouver-based NZ Technologies Inc. now hopes to bring its touchless control technology, originally used in operating rooms by surgeons, to the general public.

“When COVID hit last year around February, we were approached by many industry officials that said, ‘Look, you’ve already built and commercialized these touchless solutions for the operating room,’” says Nima Ziraknejad, founder and CEO of NZ Technologies. “They said there’s a big market for making elevator controls touchless, and that’s around the time where we have the idea to create HoverTap.”

The concept of NZ Technologies’ products is simple: they essentially use sensors to detect people’s hand motions close to a button or touchscreen interface, allowing people to “literally tap in the air” to hit switches that are an inch away physically.

The technology used in HoverTap, originally launched in a family of products called TIPSO, was intended to give surgeons operating on patients control and access to vital equipment and radiology imaging without needing to touch screens or buttons – which carries the risk of introducing whatever pathogens may be on device controls onto surgical instruments (and, ultimately, patients’ bodies).

TIPSO – born out of a student-led project at UBC – has since made its way into healthcare institutions like Surrey Memorial Hospital. But Ziraknejad admits that concerns about spreading COVID in public spaces have opened up all new market areas for NZ Technologies, including the aforementioned elevator sector and other industries like airport logistics and office security.

“The application could be airport kiosks, gas station pumps’ keypads, banking machines, payment terminals – basically any screen that many people need to touch,” Ziraknejad says. “The elevator industry is the first to approach us, but airports have all kinds of screens that passengers need to touch. Another industry is the secured entry sector; the keypad you have for entry at office buildings, bathrooms, office spaces – those are the industries who have approached us.”

Now, with the advent of HoverTap, Ziraknejad confirms the company has talked with Vancouver International Airport about potentially using the devices, and the prospect of the new tech getting exposed to visitors around the world excites him greatly. More importantly, he noted, the attention that HoverTap gets on the public side may bring more business to TIPSO and the surgical/medical side – as hospitals are also among those facilities now putting extra focus on touchless tech given sanitation requirements.

“Imagine 30 years ago when we didn’t have touchscreens,” Ziraknejad says. “Now everyone is using it. We are now in an era where we want to make touchless the new standard, and we want to bring people that tech in whatever application they need.”

FIVE COMPANIES TO WATCH

NERVGEN PHARMA

A new way of treating neurodegenerative diseases

HAYLEY WOODIN

In March 2016, the daughter-in-law of dentist Dr. Harold Punnett was looking at the progress on her home's addition when she fell approximately 10 feet through a hole that had been left open on the site.

The event left her a T11 paraplegic, a diagnosis that forever changed her and her family members' lives.

It also spurred Punnett to research spinal cord injuries – a quest that led him to the work coming out of Dr. Jerry Silver's lab at Case Western Reserve University in Cleveland, Ohio, and that ultimately led to the founding of Vancouver-based NervGen Pharma Corp. in 2018.

"The nervous system doesn't repair itself," explains Paul Brennan, president and CEO of NervGen Pharma. "And for the longest time, people didn't understand why the nervous system doesn't prepare itself."

Silver's lab discovered a class of molecules present in the brain and spinal cord that are expressed "quite significantly" when an injury occurs, says Brennan, and it's these molecules that play a major role in inhibiting repair. NervGen's lead product, NVG-291, targets those molecules, a novel receptor called protein tyrosine phosphatase sigma, and their inhibitive nature.

"It's like inhibiting the inhibition, which allows repair,"



Paul Brennan is president and CEO of NervGen Pharma • SUBMITTED

Brennan says.

NVG-291 entered Phase 1 clinical trials earlier this year, full results from which will be available early next year. The company expects to report preliminary results in late 2021.

So far, Brennan says animal models have shown great promise. Animals that couldn't walk have been able to walk again, and in a manner almost indistinguishable from how they moved prior to injury.

"That's something that you don't see very frequently in animal studies," says Brennan. "The magnitude of the response that we're seeing is unprecedented.... Many different things we're seeing have never been done before, so that gives us hope that this will translate over to humans."

If it does, it could mean people who can't walk could one day walk again. It could mean people with spinal cord injuries regain bladder control. It could revolutionize the way neurodegenerative diseases are treated.

"All the therapies that are in development for multiple sclerosis and Alzheimer's disease – what they're trying to do is slow the progression of the disease. What we're trying to do is repair the damage," Brennan explains.

"It's so revolutionary and so new in terms of what it potentially does, and it has the ability to impact so many people across so many diseases that it really does have the chance to change therapy and change lives for a lot of people." 🐼

IT HAS THE ABILITY TO IMPACT SO MANY PEOPLE ACROSS SO MANY DISEASES



Paul Brennan

President and CEO, NervGen Pharma



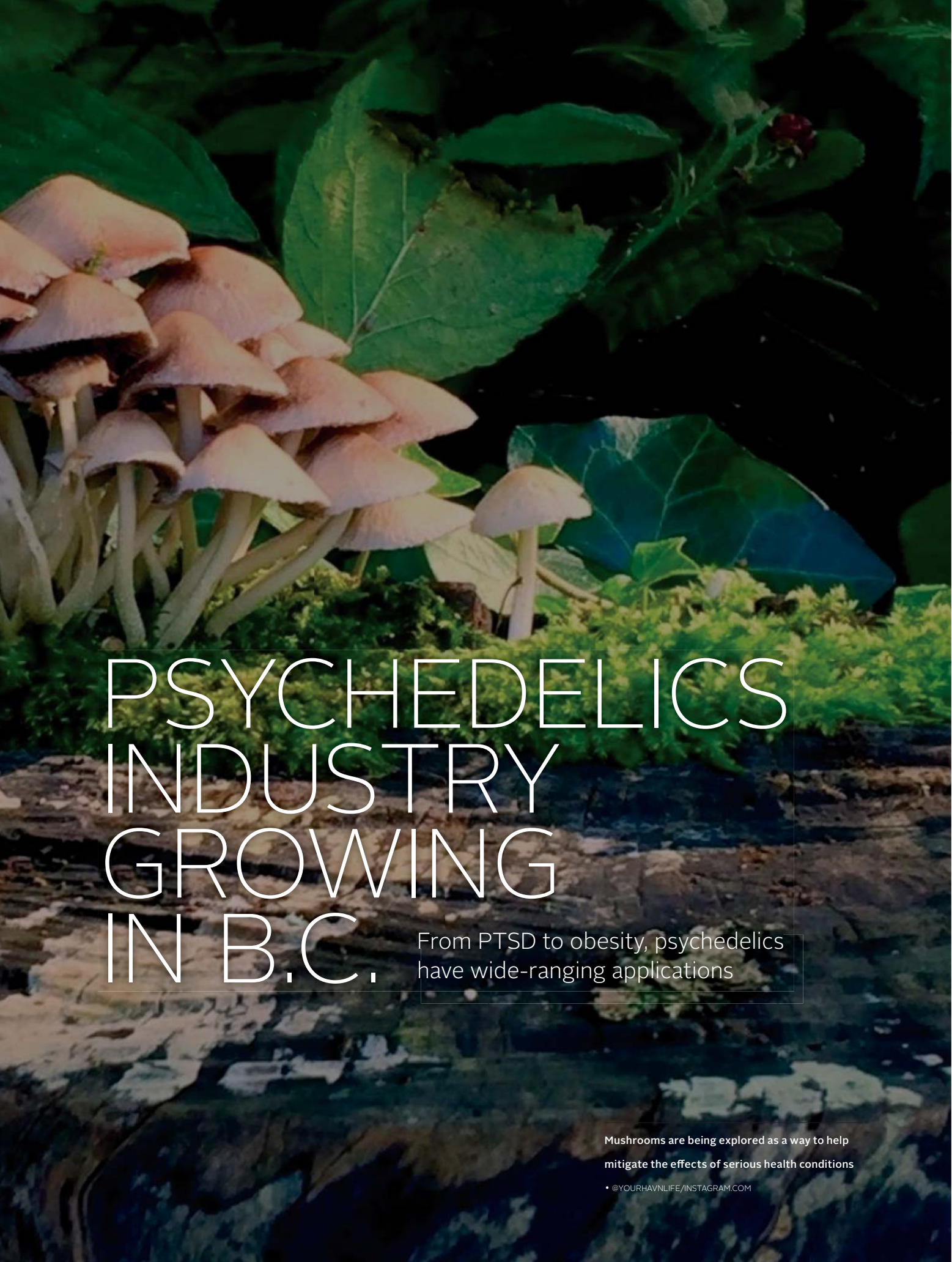
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PSYCHEDELICS INDUSTRY GROWING IN B.C.

From PTSD to obesity, psychedelics have wide-ranging applications

Mushrooms are being explored as a way to help mitigate the effects of serious health conditions

• @YOURHAVNLIFE/INSTAGRAM.COM

ALBERT VAN SANTVOORT

British Columbia's life sciences industry is filled with jaw-dropping new technologies and inspiring chemical innovations, but a millennia-old natural substance is expanding the minds of investors, scientists and medical professionals: psychedelic mushrooms.

Psychedelics aren't just for fans of The Grateful Dead anymore, with the industry expected to grow to US\$6.8 billion in North America by 2027, according to Data Bridge Market Research.

Psychedelic companies are already dominating stock exchanges. Vancouver-based Mind Medicine (MindMed) Inc. was the first psychedelics company to go public in early 2020, and since, more than a dozen others have joined it. In just three months, from September 2020 to January 2021, psychedelic stocks raised more than US\$500 million.

The majority of the public companies working in the psychedelics space are Canadian, and the majority of those are British Columbian.

The medical application for psychedelics is broad, and B.C.-based companies are studying its positive effects on both physical conditions – like obesity – and mental illnesses – like post-traumatic stress disorder, depression and addiction.

As the medical industry learns more about psilocybin, the psychoactive chemical in psychedelic mushrooms, more applications are likely to be discovered. Hundreds of studies are currently being conducted around the globe that look into the potential benefits of psilocybin, including how it bolsters immune systems.

The way psilocybin treats both physical and mental issues is also compelling users to face the root causes of their problems. While traditional pharmaceutical mental health treatments tend to numb or mask emotional pain, psychedelics can profoundly affect users' thinking and allow them to confront issues buried in their subconscious.

In the same way that psychedelics inspire outside-the-box thinking by artists, such as The Beatles, and investors like Steve Jobs, they can help people think about and address the trauma underlying their mental illness in atypical ways.

"It's a matter of masking versus treating," says Tim Moore, CEO of Havn Life Sciences. "Whatever other treatments people are on, particularly for depression and anxiety, is a numbing of those effects. It's not actually a cure or a treatment."

One major difference between the medical use of psychedelics and cannabis, is that people can get the medical benefits from cannabis without the high through cannabidiol – also known as CBD – products, whereas the psychoactive trip that psychedelics provide is what allows users to confront issues they've been suppressing. These unresolved issues can manifest themselves physically in many ways, which is why psychedelics have such wide application.

The industry is working to maintain the health benefits of psychedelics, minus a significant psychoactive experience, something that could possibly be achieved through through

micro-dosing.

Canada, and B.C. in particular, seem to be an incubator in this space, with many new psilocybin companies popping up and calling B.C. home. Of the roughly 54 public companies working on psychedelics globally, 35 are headquartered in Canada and 22 are in British Columbia, making the province and country particularly well positioned to take advantage of this emerging industry.

Over the past year, the Canadian government and Health Canada took a number of steps to help foster development and growth within the industry, including granting exceptions for people to use psilocybin for end-of-life anxiety and depression. Ottawa also plans to enable a limited number of Canadians to access not only psilocybin, but MDMA-assisted psychotherapy. Payton Nyquvest, president and CEO of Vancouver-based Numinus Wellness Inc., says that Canada has really stepped into a leadership position globally from a regulatory and drug policy perspective, allowing the limited use and testing for medical psychedelics.



Tim Moore is CEO of Havn Life

Sciences • SUBMITTED

WHATEVER OTHER TREATMENTS PEOPLE ARE ON, PARTICULARLY FOR DEPRESSION AND ANXIETY, IS A NUMBING OF THOSE EFFECTS, IT'S NOT ACTUALLY A CURE OR A TREATMENT



Tim Moore
CEO
Havn Life Sciences

PSYCHEDELICS INDUSTRY GROWING

Some of the products offered by B.C.-based Havn Life Sciences

* @YOURHAVNLIFE/INSTAGRAM.COM

Canada is also at an advantage because of its more streamlined legal and regulatory structure. While the state of Oregon has legalized psilocybin, it is still illegal federally, as well as in all other states. Canada's regulatory lead time could give the country a first-mover advantage of sorts, allowing it to establish itself as a global leader in the space.

Even with a head start, Canada's and B.C.'s psychedelics industries are likely to face competition.

"Canada's always had a strong support for new industry and has been forward thinking, so I think that's why you see a lot of these companies come out of Canada recently," says Nyquest. "That being said, there are some major [companies] that have come out of the U.S., including Compass Pathways, which is probably the biggest company in the space." 🐼



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Rank '21	Company	Top local executive(s)	Areas of research	Ownership	Year founded	No. staff globally '20/'19	No. B.C. staff '20/'19	No. R&D staff '20/'19
1	Stemcell Technologies Inc 1618 Station St. Vancouver V6A 1B6 P: 604-877-0713 F: 800-567-2899 stemcell.com	Allen Eaves , president and CEO	Provides cell culture media, cell separation tools and accessory reagents for cell biology research, including stem cell biology, regenerative medicine, immunology and cancer research	Privately held	1993	1,377 1,293	1,057 999	205 243
2	Kardium Inc 8518 Glenlyon Pky Suite 155, Burnaby V5J 0B6 P: 604-248-8891 F: 604-304-3478 kardium.com	Doug Goertzen , president and COO, Kevin Chaplin , CEO	Cardiovascular	Privately held	2007	185 NA	180 130	150 90
3	AbCellera 2215 Yukon St., Vancouver V5Y 0A1 P: 604-559-9005 F: NA abcellera.com	Carl Hansen , president and CEO	Searches, decodes, and analyzes natural immune systems to find antibodies that its partners can develop into drugs to prevent and treat disease	Public	2012	206 115	174 71	136 84
4	Zymeworks Inc 1385 8th Ave W Suite 540, Vancouver V6H 3V9 P: 604-678-1388 F: 604-737-7077 zymeworks.com	Ali Tehrani , president and CEO	Antibody and protein therapeutics development with a primary focus in oncology	NYSE:ZYME	2003	369 256	212 186	123 157
5	Amgen British Columbia Inc 7990 Enterprise St., Burnaby V5A 1V7 P: 604-415-1800 F: 604-676-8349 amgen.ca	John Delaney , executive director of research	Antibody therapeutics for the treatment of cancer, inflammation and infectious diseases	Nasdaq:AMGN	1980	24,000 22,000	NA NA	95 50
6	Xenon Pharmaceuticals Inc 3650 Gilmore Way Suite 200, Burnaby V5G 4W8 P: 604-484-3300 F: 604-484-3450 xenon-pharma.com	Simon Pimstone , CEO	Central nervous system, epilepsy, pain	Nasdaq:XENE	1996	129 NA	104 88	73 56
7	Aurinia Pharmaceuticals Inc 4464 Markham St Suite 1203, Victoria V8Z 7X8 P: 250-708-4272 F: 250-744-2498 auriniapharma.com	Peter Greenleaf , CEO	Development of therapeutic drugs for treatment of autoimmune diseases	NA	2013	265 NA	55 NA	40 ¹ NA
8	Verathon Medical Canada ULC 2227 Douglas Rd., Burnaby V5C 5A9 P: 604-439-3009 F: 604-439-3039 verathon.com	NA	Designs, engineers and manufactures respiratory and surgical devices	Privately held	NA	NA NA	83 NA	30 ¹ 32
9	Burrard Pharmaceuticals 2240 Chippendale Rd., West Vancouver V7S 3J5 P: 778-279-3901 F: NA burrardpharma.com	Kayhan Moayeri , CEO	Drug development, manufacturing and formulation	Privately held	2005	NA NA	NA 8	25 ² 25
10	Aspect Biosystems 1781 75th Ave W., Vancouver V6P 6P2 P: 604-263-0502 F: NA aspectbiosystems.com	Tamer Mohamed , president and CEO, Simon Beyer , chief technology officer, Sam Wadsworth , chief scientific officer, Ray Smith , chief financial officer	Combining the power of microfluidics and 3D bioprinting to create bioprinted therapeutics as medicines of the future	Privately held	2013	36 NA	36 32	21 20
11	bioLytical Laboratories Inc 13251 Delf PI Suite 406, Richmond V6V 2A2 P: 604-204-6784 F: 604-244-8399 biolytical.com	Robert Mackie , CEO, Hans Croukamp , chief operating officer	HIV Self Test, HIV 1-2 Antibody Test, Multiplex HIV Syphilis Ab Test, COVID-19 Antibody and Antigen Test	Privately held	2002	135 101	122 88	19 19
12	ABM Applied Biological Materials Inc 3671 Viking Way Unit 1, Richmond V6V 2J5 P: 604-247-2416 F: 604-247-2414 abmgood.com	Peter Li , CEO, Ryan Saranchuk , chief operating officer	Products span everything from CRISPR gene editing tools and viral vectors/ viruses to the world's largest collection of unique cell lines and the most advanced polymerase chain reaction and next-generation sequencing technologies and services	Privately held	2004	123 160	61 89	15 21
12	Artron BioResearch Inc 3938 North Fraser Way, Burnaby V5J 5H6 P: 604-415-9757 F: 604-415-9795 artronbio.com	Nilgun Demir , vice-president	Antigen and antibody manufacturer	Privately held	2002	NA 120	100 94	15 ² 15
12	Response Biomedical Corp 1781 75th Ave W., Vancouver V6P 6P2 P: 604-456-6010 F: 604-456-6066 responsebio.com	Barbara Kinnaird , CEO	Rapid immunoassay diagnostics for clinical cardiovascular applications, environmental infectious disease testing and bio-threat identification	Privately held	1991	NA NA	65 NA	15 ¹ 15
12	SignalChem Biotech Inc 13120 Vanier PI Suite 110, Richmond V6V 2J2 P: 604-232-4600 F: 604-232-4601 signalchem.com	Jun Yan , president, Zaihui Zhang , chief scientific officer	Development of innovative cell signalling products	Privately held	2004	NA 62	NA 60	15 NA
16	GenomeMe Canada 3691 Viking Way Unit 1, Richmond V6V 2J6 P: 604-244-9962 F: NA genomeme.ca	Mohammad Tabesh , CEO	Molecular pathology and molecular diagnostics	Privately held	2015	NA NA	NA 20	14 14
16	Neovasc Inc 13562 Maycrest Way Suite 5138, Richmond V6V 2J7 P: 604-270-4344 F: 604-270-4384 neovasc.com	Fred Colen , president and CEO	Develops, manufactures and markets innovative vascular devices offering pericardial tissue processing, vascular product development and design and manufacturing solutions to industry partners	TSX:NVC: Nasdaq:NVCN	2000	71 NA	48 NA	14 20
18	GenXys 322 Water St Suite 200, Vancouver V6B 1B6 P: 778-895-9325 F: NA genxys.com	Karl Pringle , CEO, Martin Dawes , chief scientific officer, Mark Gelfer , chair	Automated digital tools for comprehensive precision prescribing software that improves medication safety, increases drug efficacy and reduces health-care costs	Privately held	2014	NA 15	16 15	13 13
19	Alectos Therapeutics 8999 Nelson Way, Burnaby V5A 4B5 P: 604-628-7129 F: 604-628-0137 alectos.com	Ernest McEachern , president and CEO	Neuroscience	Privately held	2007	NA NA	12 12	11 11
20	Corcym Canada Corp³ 5005 North Fraser Way, Burnaby V5J 5M1 P: 604-412-5650 F: 604-412-5690 corcym.com	Jennifer Arntorp , senior director, operations and site leader	Expertise in the development of heart valve prostheses and repair devices provides users with technologically advanced platforms backed by solid clinical evidence	Privately held		NA 4,000	190 207	10 NR


Sources: Interviews with representatives of the above firms and BIV research. NA Not available. NR Not ranked 1 - BIV estimate. 2 - 2019 figure. 3 - Corcym acquired LivaNova's manufacturing facility in Burnaby in June 2021.

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2020

Clinical
milestones in
British Columbia's
life sciences
sector

<i>Date</i>	<i>Company/organization</i>	<i>Clinical milestone</i>
January	Qu Biologics	Qu Biologics completes enrollment in first stage of Phase 2 clinical trial in moderate to severe Crohn's Disease
February	Bold Therapeutics	Bold Therapeutics to initiate Phase 1b trial of BOLD-100 in the treatment of GI Cancers
March	AbCellera	AbCellera and Lilly to Co-develop Antibody Therapies for the Treatment of COVID-19
April	Innovative Medicines Canada	Innovative Medicines Canada members donate 100,000 masks to help protect front-line healthcare workers battling COVID-19
April	InMed Pharmaceuticals	InMed announces completion of initial Phase 1 clinical trial of INM-755 CBN cream in healthy subjects
April	Variational AI	Variational AI receives support from the Digital Technology Supercluster for repurposing of drugs for COVID-19
May	Precision Nanosystems	CanSino Biologics and Precision NanoSystems announce collaboration to co-develop a COVID-19 RNA vaccine
June	Aurinia Pharmaceuticals	Aurinia completes patient enrollment into the AUDREY Phase 2/3 clinical trial of Voclosporin Ophthalmic Solution for the treatment of dry eye syndrome
June	Kardium	Kardium receives CE mark for Globe Mapping and Ablation System and announces launch of commercial sales in Europe
July	Acuitas Therapeutics	Canadian firm plays key role in COVID-19 vaccine development project with BioNTech and Pfizer
July	LivaNova (Corcym)	LivaNova announces commercial launch of Perceval Plus Aortic Heart Valve in Europe
August	Novateur Ventures	Novateur Ventures explores new strategy to reduce the hyperinflammatory response caused by COVID-19
September	Janssen Inc.	Johnson & Johnson initiates pivotal global Phase 3 clinical trial of Janssen's COVID-19 vaccine candidate
September	Zucara Therapeutics	Zucara Therapeutics doses first subject in Phase 1 trial of ZT-01
October	StarFish Medical	Health Canada certifies Winnipeg Ventilator 2.0 to support the needs of Covid-19 patients
November	Symvivo Corp.	First healthy volunteer dosed in Symvivo's Phase 1 clinical trial of bacTRL-Spike, an oral COVID-19 vaccine candidate
December	AbCellera	AbCellera-discovered antibody receives U.S. FDA emergency use authorization as a monotherapy for the treatment of COVID-19



2020

Investments into British Columbia's life sciences sector

Month	Company/organization	Type of investment	Amount (CAD)
January	Global Health Sciences Fund	Global Health Sciences Fund (Quark Venture LP and GF Securities) participate in Eyevevsys' US\$30 million Series B financing for development of ocular platform	\$39.18 million
January	Aspect Biosystems	Aspect Biosystems announces US\$20 million Series A financing to advance its leading platform for 3D bioprinting of human tissue	\$26.12 million
January	Zymeworks	Zymeworks announces pricing of US\$279 million public offering	\$363 million
January	Xenon Pharmaceuticals	Xenon Pharmaceuticals announces closing of its US\$60 million public offering of common shares	\$78 million
May	AbCellera	AbCellera announced that it has closed a US\$105 million Series B financing round	\$136.5 million
June	SaNOtize	National Research Council announces \$400,000 in funding to help SaNOtize focus on COVID-19 applications	\$0.4 million
June	DelMar Pharmaceuticals	DelMar Pharmaceuticals receives \$500,000 loan from the National Brain Tumor Society and National Foundation for Cancer Research to support VAL-083's participation in a pivotal study for Glioblastoma sponsored by the Global Coalition for Adaptive Research	\$0.5 million
July	Neoleukin Therapeutics	Neoleukin Therapeutics announces pricing of US\$76.2 million public offering	\$99.0 million
July	Aurinia	Aurinia closes US\$200 million public offering of common shares	\$260 million
July	Essa Pharma	Essa Pharma completes public offering for aggregate gross proceeds of US\$48.99 million	\$63.7 million
August	Chinook Therapeutic	Chinook Therapeutics announces \$106 million private placement financing to advance precision medicines for kidney disease	\$106 million
August	Supercluster	Canada's Digital Technology Supercluster announces \$1 million investment into Healthcare to Homecare project led by XCO	\$1 million
September	Kintara Therapeutics	Kintara Therapeutics completes final closing of previously announced private placement for an aggregate of US\$25 million	\$32.5 million
September	Virogin Biotech	Virogin Biotech announces completion of \$62 million in Series C financing	\$62 million
October	Chinook Therapeutics	Chinook Therapeutics closes merger with Aduro Biotech and completes \$115 million private placement financing	\$115 million
October	Symvivo	Symvivo Corp. receives funding for COVID-19 vaccine program	\$2.8 million
October	Precision NanoSystems	Precision NanoSystems will receive \$18.2 million from the Government of Canada to develop an RNA vaccine for COVID-19	\$18.2 million
November	InMed Pharmaceuticals	InMed Pharmaceuticals announces the closing of US\$8 million public offering	\$10.4 million
December	Qu Biologics	Qu Biologics completes \$8 million financing	\$8 million
December	AbCellera	AbCellera announces closing of initial public offering and exercise in full of the underwriters' option to purchase additional shares	\$555 million
December	National Research Council of Canada	National Research Council of Canada supports development of four COVID-19 therapeutic candidates	\$0.4 million
December	Aurinia	Aurinia announces collaboration and licensing agreement with Otsuka Pharmaceutical Co., Ltd. for the development and commercialization of Voclosporin in Europe and Japan	\$50 million
			Total \$2.03 billion

LIFE SCIENCES COMPANIES AT A GLANCE

PLEASE REFER TO LIFESCIENCESBC.CA FOR FURTHER INFORMATION ON THESE COMPANIES			
Company Name	Sector	Area of Expertise	Company Stage
3DQue Systems Inc.	Biotechnology, Medical Technology	3D Bioprinting, Manufacturer, Product Development	Commercial Stage, Private Company
AbbVie Corporation	Global Pharmaceutical Corporation, Therapeutics	Autoimmune Diseases, Drug Discovery, Inflammatory Diseases, Mental & Behavioral Health, Neurological Diseases, Oncology, Ophthalmology, Men's Health	Public Company
AbCellera	Biotechnology, Therapeutics	Antibodies, Artificial Intelligence, Autoimmune Diseases, Cardiovascular Disease, Drug Discovery, Infectious Diseases, Inflammatory Diseases, Neurological Diseases, Oncology, Ophthalmology, Therapeutics	Public Company
ABOzymes Biomedical Inc.	Biotechnology, Medical Technology	Antibodies, Antigen, Therapeutics	Discovery Preclinical Studies , Seed Stage
Acuitas Therapeutics	Biotechnology, Medical Technology, Therapeutics	mRNA, Nanomedicine, Therapeutics	Commercial Stage, Private Company
Aequus Pharmaceuticals	Biotechnology, Therapeutics	Neurological Diseases, Ophthalmology	Commercial Stage, Public Company
Alectos Therapeutics	Biotechnology, Therapeutics	Drug Discovery, Neurological Diseases, Therapeutics	Discovery Preclinical Studies , Private Company
Algernon Pharmaceuticals	Biotechnology, Therapeutics	Drug Delivery, Drug Discovery, Therapeutics, Wellness Solutions	Clinical Stage, Public Company
Alliance Scientific	Biotechnology, Scientific Supplies	Manufacturer, Product Development	Commercial Stage, Private Company
Alpha-9 Theranostics	Biotechnology, Diagnostics, Medical Technology, Therapeutics	Imaging, Oncology, Radio Pharmaceuticals, Therapeutics	Clinical Stage, Private Company, Series A Stage
American Preclinical Services	Contract Research & Scientific Services, Lab Services, Medical Device, Therapeutics	Analytical Services, Pathology Services, Toxicology	Clinical Stage, Private Company
Amgen British Columbia	Biotechnology, Therapeutics	Discovery & Development of Biologic Medicines, Therapeutics	Public Company
Anandia	Biotechnology, Contract Research & Scientific Services, Genomics, Lab Services	Analytical Services, Molecular Diagnostics	Private Company
ARC Medical Devices, Inc.	Biotechnology, Therapeutics	Biopolysaccharide Therapeutics	Phase 1 Clinical Studies, Private Company, Series A Stage
Artron BioResearch Inc.	Biotechnology, Medical Device	Antibodies, Antigen, Bioprocessing, Bioproducts, Cardiovascular Disease, Genomics, Infectious Diseases, Medical Supplies, Oncology, Testing Instruments	Clinical Stage, Private Company
Aspect Biosystems	Biotechnology, Medical Technology, Therapeutics	3D Bioprinting, Cardiovascular Disease, Drug Discovery, Immune Therapy, Inflammatory Diseases, Metabolic Diseases , Neurological Diseases, Oncology, Regenerative Medicine, Therapeutics	Discovery Preclinical Studies , Series A Stage
AstraZeneca Canada Inc.	Global Pharmaceutical Corporation	Cardiovascular Disease, Infectious Diseases, Metabolic Diseases , Neurological Diseases, Oncology, Vaccines	Commercial Stage, Public Company
Augurex	Biotechnology, Diagnostics	Bioanalytical Services, Bioinformatics, Wellness Solutions	Private Company
Aurinia Pharma U.S., Inc.	Biotechnology, Therapeutics	Autoimmune Diseases, Therapeutics	Commercial Stage, Public Company
Aurora Biomed	Biotechnology, Diagnostics, Therapeutics	Rapid Diagnostic Test Kits, Therapeutics, Wellness Solutions	Commercial Stage, Private Company
Avantor, delivered by VWR	Biotechnology, Diagnostics, Digital Health, Genomics, Lab Services, Medical Device, Medical Technology, Scientific Supplies, Therapeutics	Distributor	Commercial Stage, Private Company
Axolotl Biosciences	Biotechnology, Medical Technology, Scientific Supplies, Therapeutics	3D Bioprinting, Bioproducts, Cellular Medicine, Drug Delivery, Drug Discovery, Manufacturer, Nanomedicine, Neurological Diseases, Oncology, Reagents, Regenerative Medicine	Private Company, Start-up
Bausch Health	Global Pharmaceutical Corporation	Bioprocessing, Bioproducts, Distributor, Drug Discovery, Manufacturer, Ophthalmology, Product Development, Wellness Solutions	Private Company
BioBoost Synbio Consulting Inc	Biotechnology, Contract Research & Scientific Services, Diagnostics, Genomics	Contract Manufacturing, Manufacturer, Molecular Diagnostics, mRNA, Nanomedicine, Neurological Diseases, Oncology, Product Development	Private Company
bioLytical Laboratories Inc.	Medical Device	Rapid Diagnostic Test Kits	
Boehringer Ingelheim	Biotechnology, Global Pharmaceutical Corporation, Therapeutics	Cardiovascular Disease, Metabolic Diseases , Oncology, Therapeutics	Clinical Stage, Commercial Stage, Public Company
Bold Therapeutics Inc.	Biotechnology, Therapeutics	Infectious Diseases, Oncology, Therapeutics	Clinical Stage, Phase 1 Clinical Studies, Phase 2 Clinical Studies , Series B Stage
BRI Biopharmaceutical Research Inc.	Biotechnology, Contract Research & Scientific Services, Therapeutics	Bioanalytical Services, Drug Delivery, Drug Discovery, Immune Therapy, Molecular Diagnostics, Therapeutics, Wellness Solutions	Private Company
Brigene Biosciences Inc.	Biotechnology, Therapeutics		Private Company
Canary Medical Inc.	Biotechnology, Diagnostics, Digital Health, Medical Device, Medical Technology	Bioanalytical Services, Data Management and Statistics, Digital Monitoring, Medical Device Design, Medical Software , Telehealth, Testing Instruments, Wellness Solutions	Commercial Stage, Private Company
Canexia Health	Genomics	Artificial Intelligence, Bioinformatics, Genomics, Oncology, Therapeutics	
Celgene Inc.	Biotechnology, Global Pharmaceutical Corporation, Therapeutics	Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Disease Prevention, Distributor, Drug Delivery, Drug Discovery, Pathology Services, Therapeutics, Wellness Solutions	Commercial Stage, Private Company
CEQAL Inc.	Biotechnology, Contract Research & Scientific Services, Therapeutics	Bioanalytical Services, Bioprocessing, Genomics, Therapeutics, Wellness Solutions	Clinical Stage, Private Company
Chinook Therapeutics Inc.	Biotechnology, Therapeutics	Therapeutics	Clinical Stage, Public Company
Clairvoyant Therapeutics Inc.	Therapeutics	Drug Discovery, Infectious Diseases, Inflammatory Diseases, Manufacturer, Therapeutics	Private Company
Clarix Healthcare	Digital Health, Medical Device, Medical Technology	Remote Monitoring, Telehealth	
Coastal Genomics	Biotechnology, Diagnostics, Digital Health, Genomics, Medical Technology, Therapeutics	Bioanalytical Services, Bioinformatics, Data Management and Statistics, Digital Monitoring, Molecular Diagnostics, mRNA, Therapeutics, Wellness Solutions	Commercial Stage, Private Company
Corcym Canada Corp.	Medical Device	Cardiovascular Disease, cGMP/GLP Compliance, Contract Manufacturing, Manufacturer, Medical Device Design	Commercial Stage, Private Company

PLEASE REFER TO LIFESCIENCESBC.CA FOR FURTHER INFORMATION ON THESE COMPANIES			
Company Name	Sector	Area of Expertise	Company Stage
Corus Product Design	Biotechnology, Contract Research & Scientific Services, Lab Services, Medical Device, Medical Technology, Professional Services, Strategic Consulting, Therapeutics	Analytical Services, Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Product Development, Therapeutics, Wellness Solutions	
Cuprous Pharmaceuticals Inc.	Therapeutics	Nanomedicine, Therapeutics	Clinical Stage, Commercial Stage, Private Company
Cureimmune Therapeutics Inc.	Biotechnology, Therapeutics	Antibodies, Autoimmune Diseases, Immune Therapy, Oncology	Discovery Preclinical Studies
Cytiva	Biotechnology, Contract Research & Scientific Services, Scientific Supplies	Antibodies, Antigen, Bioprocessing, Bioproducts, Contract Manufacturing, Drug Discovery, Gene Therapy, High-throughput Screening, Imaging, Immune Therapy, Manufacturer, Molecular Diagnostics, Product Development, Reagents, Teaching and Training, Therapeutics, Vaccines	
Delta-Fly Pharma Inc.	Therapeutics	Disease Prevention, Drug Delivery, Drug Discovery, Oncology, Therapeutics	Phase 3 Clinical Studies, Public Company
Derm-Biome Pharmaceuticals Inc.	Biotechnology, Therapeutics	Autoimmune Diseases, Inflammatory Diseases, Neurological Diseases	Discovery Preclinical Studies, Private Company
Domain Therapeutiques NA Inc.	Biotechnology, Therapeutics	Antibodies, Autoimmune Diseases, Cardiovascular Disease, Drug Discovery, Immune Therapy, Inflammatory Diseases, Metabolic Diseases, Neurological Diseases, Oncology, Therapeutics	Discovery Preclinical Studies, Private Company
DP Labs and Biotechnology Inc.	Medical Device	Medical Device Design, Product Development	
Dr. Ma's Laboratories	Biotechnology, Therapeutics	Manufacturer, Therapeutics	Commercial Stage, Private Company
Electromate Inc.	Medical Device, Professional Services	3D Bioprinting, Distributor, Remote Monitoring	
EMD Serono	Global Pharmaceutical Corporation		Private Company
EMMES Canada	Contract Research & Scientific Services	Data Management and Statistics, Infectious Diseases, Inflammatory Diseases, Ophthalmology, Public Health, Regulatory, Remote Monitoring, Study Monitoring and Reporting, Vaccines	
EMPOWER Research Inc.	Biotechnology, Therapeutics	Data Management and Statistics, Distributor, Drug Delivery, Mental & Behavioral Health, Neurophysiology, Pre-Clinical Services, Public Health, Regulatory	Discovery Preclinical Studies, Private Company, Seed Stage
Epiphany360	Digital Health, Medical Device, Medical Technology, Therapeutics	Artificial Intelligence, Bioinformatics, Health-care IT software, Medical Device Design, Medical Software, Mental & Behavioral Health, Remote Monitoring, Telehealth	Private Company, Seed Stage
eSenso Biotech Inc.	Biotechnology, Contract Research & Scientific Services, Diagnostics, Digital Health, Lab Services, Medical Device, Medical Technology, Scientific Supplies, Therapeutics	Analytical Services, Antibodies, Antigen, Autoimmune Diseases, Bioanalytical Services, Bioproducts, Cardiovascular Disease, Contract Manufacturing, Digital Monitoring, Environmental, Infectious Diseases, Manufacturer, Medical Device Design, Medical Equipment, Medical Supplies, Molecular Diagnostics, Product Development, Public Health, Rapid Diagnostic Test Kits, Reagents, Regulatory, Remote Monitoring, Teaching and Training, Testing Instruments	
ESSA Pharma Inc.	Therapeutics	Bioinformatics, Bioprocessing, Bioproducts, Cellular Medicine, Distributor, Drug Delivery, Drug Discovery, Oncology, Therapeutics, Wellness Solutions	
Eupraxia Pharmaceuticals Inc.	Therapeutics	Drug Delivery, Drug Discovery	Clinical Stage, Discovery Preclinical Studies, Phase 2 Clinical Studies, Public Company
Evonik Health Care	Biotechnology, Contract Research & Scientific Services, Scientific Supplies	cGMP/GLP Compliance, Contract Manufacturing, Drug Delivery, Gene Therapy, Immune Therapy, Infectious Diseases, mRNA, Nanomedicine, Oncology, Pre-Clinical Services, Therapeutics, Vaccines	Public Company
Farabloc Development Corp.	Biotechnology, Medical Device, Medical Technology, Scientific Supplies	Distributor, Manufacturer, Medical Supplies, Product Development, Public Health, Therapeutics, Wellness Solutions, Women's Health	Commercial Stage, Private Company
Fusion Genomics Corporation	Diagnostics, Genomics	Bioinformatics, Genomics, Infectious Diseases, Molecular Diagnostics, Reagents	Series A Stage
Gemina Laboratories	Biotechnology, Diagnostics, Medical Technology	Infectious Diseases	Private Company, Start-up
Genevant Sciences, Corp.	Biotechnology, Therapeutics	Drug Delivery, Drug Discovery, mRNA	
Gilead Sciences Inc.	Biotechnology, Global Pharmaceutical Corporation, Therapeutics	Cardiovascular Disease, Cellular Medicine, Infectious Diseases, Inflammatory Diseases, Oncology	Commercial Stage
GlaxoSmithKline Inc.	Global Pharmaceutical Corporation, Therapeutics	Bioinformatics, Bioprocessing, Bioproducts, Cardiovascular Disease, Disease Prevention, Distributor, Drug Delivery, Drug Discovery, Manufacturer, Product Development, Therapeutics, Wellness Solutions, Women's Health	Public Company
Hamilton Company	Therapeutics	Medical Equipment, Medical Supplies	
HealthQB	Digital Health	Medical Device Design, Neurophysiology	
Herstasis Health Inc	Medical Device	Digital Monitoring, Disease Prevention, Medical Device Design, Metabolic Diseases, Product Development, Rapid Diagnostic Test Kits, Study Monitoring and Reporting, Women's Health	Clinical Stage, Pre-Seed stage, Start-up
Hoffmann-La Roche Ltd.	Biotechnology, Global Pharmaceutical Corporation, Medical Technology, Therapeutics	Bioinformatics, Bioprocessing, Bioproducts, Distributor, Manufacturer, Oncology, Ophthalmology, Rapid Diagnostic Test Kits, Therapeutics	Commercial Stage, Public Company
Horizon Therapeutics Canada	Global Pharmaceutical Corporation, Therapeutics	Bioinformatics, Bioprocessing, Bioproducts, Drug Discovery, Metabolic Diseases, Product Development, Therapeutics	Public Company
Human in Motion Robotics	Medical Device	Manufacturer, Medical Equipment	Private Company
IKOMED Technologies Inc.	Medical Device	Artificial Intelligence, cGMP/GLP Compliance, Imaging, Medical Device Design	Discovery Preclinical Studies, Start-up
Immunity Diagnostics Inc.	Biotechnology, Contract Research & Scientific Services, Diagnostics, Genomics, Therapeutics	Bioanalytical Services, Bioinformatics, Cellular Medicine, Remote Monitoring, Study Monitoring and Reporting, Therapeutics, Wellness Solutions	Clinical Stage, Commercial Stage, Private Company
ImmunoFlex Inc.	Biotechnology, Genomics, Therapeutics	Bioanalytical Services, Bioinformatics, Cellular Medicine, Disease Prevention, Gene Therapy, Genomics, mRNA, Therapeutics, Wellness Solutions	Commercial Stage, Private Company
ImmunoPrecise Antibodies	Biotechnology, Genomics, Therapeutics	Antibodies, Distributor, Manufacturer, Product Development, Therapeutics	Commercial Stage, Public Company
Incisive Genetics Inc.	Biotechnology, Genomics, Therapeutics	Cellular Medicine, Disease Prevention, Drug Delivery, Drug Discovery, Gene Therapy, Genomics, Nanomedicine, Product Development, Therapeutics	Private Company, Seed Stage

LIFE SCIENCES COMPANIES AT A GLANCE

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Company Name	Sector	Area of Expertise	Company Stage
InMed Pharmaceuticals Inc.	Biotechnology, Therapeutics	Bioinformatics, Bioprocessing, Bioproducts, Drug Delivery, Drug Discovery, Ophthalmology, Product Development, Therapeutics, Wellness Solutions	Phase 2 Clinical Studies
InnoTech Medical Industries Corp.	Biotechnology, Diagnostics, Digital Health, Medical Device, Medical Technology	Bioanalytical Services, Bioinformatics, Imaging, Medical Device Design, Medical Equipment, SMART X-ray Imaging, AI, IOTs, High Frequency Generators, Collimator	Commercial Stage, Private Company
Innovatek Medical Inc.	Biotechnology, Diagnostics, Medical Device, Medical Technology	Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Distributor, Manufacturer, Medical Equipment, Medical Supplies, Molecular Diagnostics, Product Development, Rapid Diagnostic Test Kits, Testing Instruments	Commercial Stage, Private Company
Innovative Targeting Solutions Inc.	Biotechnology, Therapeutics	Antibodies, Cellular Medicine, Drug Discovery, High-throughput Screening, Immune Therapy	Discovery Preclinical Studies
IonsGate Preclinical Services Inc.	Biotechnology, Contract Research & Scientific Services, Therapeutics	Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Cardiovascular Disease, Cellular Medicine, Drug Discovery, Pre-Clinical Services	Commercial Stage, Private Company
iProgen Biotech Inc.	Biotechnology	Antibodies, Drug Delivery, Drug Discovery, Immune Therapy, Neurological Diseases, Oncology, Regenerative Medicine	
Izotropic Corporation	Diagnostics, Digital Health, Medical Device	Imaging, Medical Device Design, Medical Equipment, Oncology, Women's Health	Discovery Preclinical Studies, Public Company
Janssen Inc.	Biotechnology, Global Pharmaceutical Corporation, Therapeutics	Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Cardiovascular Disease, Cellular Medicine, Drug Delivery, Drug Discovery, Gene Therapy, Genomics, Immune Therapy, Infectious Diseases, Inflammatory Diseases, Manufacturer, Molecular Diagnostics, mRNA, Nanomedicine, Neurological Diseases, Neurophysiology, Oncology, Therapeutics, Vaccines	Commercial Stage, Private Company
Kardium Inc.	Biotechnology, Medical Device, Medical Technology	Cardiovascular Disease, Medical Supplies	
Kintara Therapeutics	Biotechnology, Therapeutics	Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Cellular Medicine, Oncology, Novel Cancer Therapy Development, Therapeutics	Clinical Stage, Public Company
Lg BioScience Inc.	Biotechnology	Analytical Services, Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Drug Discovery, Product Development, Blockchain Technology, Corporate health, Patient Support Services, RWE/RWD Generation, Multi-omic Analytics and Integration	Private Company
LAST Innovations Ltd.	Therapeutics	Artificial Intelligence, Bioproducts, Drug Discovery, Genomics, Immune Therapy, Oncology, Product Development, Therapeutics	Discovery Preclinical Studies, Private Company, Seed Stage
Libang Surgical Technologies	Biotechnology, Medical Device, Medical Technology, Scientific Supplies	Manufacturer, Medical Device Design, Medical Equipment, Medical Software	Private Company
LifeLabs	Diagnostics, Digital Health, Lab Services, Professional Services	Digital Monitoring, Genomics, Health-care IT software, Molecular Diagnostics, Pathology Services, Public Health, Wellness Solutions, Women's Health	Limited Partnership
Manzanita Pharmaceuticals, Inc.	Biotechnology, Medical Technology	Molecular Diagnostics, Neurophysiology, Nerve Imaging Agent, Neuroanatomy	Private Company
Me Therapeutics Inc.	Biotechnology, Therapeutics	Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Cellular Medicine, Immune Therapy, Infectious Diseases, Inflammatory Diseases, Manufacturer, Oncology, Product Development, Therapeutics, Wellness Solutions	Commercial Stage, Private Company
MedGenesis Therapeutix Inc.	Biotechnology, Therapeutics	Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Drug Discovery, Neurological Diseases, Therapeutics, Wellness Solutions	
Medicenna Therapeutics Corp.	Biotechnology, Therapeutics	Bioanalytical Services, Bioprocessing, Bioproducts, Cellular Medicine, Disease Prevention, Immune Therapy, Manufacturer	Public Company
Medtronic Canada ULC	Medical Technology	Cardiovascular Disease, Digital Monitoring, Health-care IT software, Imaging, Medical Device Design, Medical Equipment, Medical Software, Medical Supplies, Neurological Diseases, Neurophysiology, Oncology, Telehealth, Wellness Solutions	
Merck Canada Inc.	Global Pharmaceutical Corporation	Bioinformatics, Bioprocessing, Bioproducts, Drug Delivery, Drug Discovery, Infectious Diseases, Inflammatory Diseases, Manufacturer, Oncology, Product Development, Therapeutics, Vaccines, Wellness Solutions	Commercial Stage, Private Company
Mesentech	Biotechnology, Therapeutics	Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Cellular Medicine, Disease Prevention, Distributor, Drug Delivery, Drug Discovery, Genomics, Inflammatory Diseases, Manufacturer, Product Development, Regenerative Medicine, Therapeutics, Wellness Solutions	Commercial Stage, Private Company
Microbiome Insights Inc.	Contract Research & Scientific Services	Artificial Intelligence, Autoimmune Diseases, Bioinformatics, Drug Discovery, Environmental, Genomics, Infectious Diseases, Inflammatory Diseases, Mental & Behavioral Health, Metabolic Diseases, Microbiome, Neurological Diseases, Oncology, Pre-Clinical Services, Therapeutics, Women's Health	
Microbion Pharma Corp.	Therapeutics	Infectious Diseases, Therapeutics	Discovery Preclinical Studies, Phase 2 Clinical Studies, Series A Stage
Mima-pro Scientific Inc.	Medical Device	Medical Equipment, Oncology	Commercial Stage, Private Company
Molecular You	Digital Health, IT & Software Services	Health-care IT software, Telehealth, Wellness Solutions	Commercial Stage, Private Company
MSI Methylation Sciences Inc.	Therapeutics	Drug Delivery, Mental & Behavioral Health, Product Development, Therapeutics	Phase 2 Clinical Studies
Nectar Health Sciences	Biotechnology, Contract Research & Scientific Services, Therapeutics	Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Drug Delivery, Drug Discovery, High-throughput Screening, Manufacturer, Product Development, Therapeutics, Wellness Solutions	Private Company
NervGen Pharma Corp.	Therapeutics	Drug Discovery, Neurological Diseases, Neurophysiology, Regenerative Medicine, Therapeutics, Restorative and Repair Medicine	Phase 1 Clinical Studies, Public Company
New Beta Innovations Canada Limited	Biotechnology, Global Pharmaceutical Corporation, Therapeutics	cGMP/GLP Compliance, Drug Discovery, Manufacturer, Neurological Diseases, Oncology, Product Development, Therapeutics, Wellness Solutions	Phase 1 Clinical Studies, Private Company

PLEASE REFER TO LIFESCIENCESBC.CA FOR FURTHER INFORMATION ON THESE COMPANIES			
Company Name	Sector	Area of Expertise	Company Stage
Notch Therapeutics, Inc.	Biotechnology, Medical Technology, Therapeutics	Drug Discovery, Immune Therapy, Oncology, Therapeutics	Series A Stage
Novartis Pharmaceuticals Canada Inc.	Biotechnology, Global Pharmaceutical Corporation, Therapeutics	Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Cardiovascular Disease, Cellular Medicine, Distributor, Drug Delivery, Drug Discovery, Infectious Diseases, Inflammatory Diseases, Manufacturer, Neurological Diseases, Neurophysiology, Oncology, Product Development, Toxicology, Vaccines, Wellness Solutions	Commercial Stage, Public Company
Novateur Ventures Inc.	Contract Research & Scientific Services, Investors, Professional Services, Strategic Consulting	Antibodies, Autoimmune Diseases, Cardiovascular Disease, cGMP/GLP Compliance, Contract Manufacturing, Drug Delivery, Drug Discovery, Gene Therapy, Immune Therapy, Infectious Diseases, Inflammatory Diseases, Mental & Behavioral Health, Metabolic Diseases, Neurological Diseases, Oncology, Ophthalmology, Pre-Clinical Services, Product Development, Quality Assurance, Radio Pharmaceuticals, Rapid Diagnostic Test Kits, Regulatory, Therapeutics, Toxicology, Women's Health	
Novo Nordisk Canada Inc.	Biotechnology, Global Pharmaceutical Corporation, Therapeutics	Bioinformatics, Bioprocessing, Bioproducts, Cardiovascular Disease, Cellular Medicine, Disease Prevention, Distributor, Drug Delivery, Drug Discovery, Infectious Diseases, Inflammatory Diseases, Manufacturer, Metabolic Diseases, Oncology, Pathology Services, Pediatrics, Product Development, Therapeutics, Women's Health	Commercial Stage, Public Company
Numinus Wellness Inc.	Contract Research & Scientific Services, Lab Services, Therapeutics	Analytical Services, Mental & Behavioral Health, Therapeutics, Wellness Solutions	Public Company
NZ Technologies Inc.	Digital Health, Medical Device, Medical Technology	Artificial Intelligence, Manufacturer, Medical Device Design, Medical Equipment, Product Development	
Oak Bay Biosciences	Biotechnology, Therapeutics	Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Drug Delivery, Drug Discovery, Manufacturer, Ophthalmology, Product Development, Therapeutics, Wellness Solutions	Private Company, Start-up
Ondine Biomedical Inc.	Biotechnology, Therapeutics	Bioanalytical Services, Bioinformatics, Distributor, Infectious Diseases, Medical Device Design, Medical Equipment, Medical Software, Product Development, Therapeutics, Vaccines	Commercial Stage, Public Company
Onestep Laboratories Inc.	Biotechnology, Diagnostics, Medical Technology, Scientific Supplies, Therapeutics	Bioanalytical Services, Bioinformatics, Bioprocessing, Bioproducts, Distributor, Drug Delivery, Drug Discovery, Manufacturer, Medical Supplies, Reagents, Therapeutics, Wellness Solutions	Commercial Stage, Private Company
Pfizer Canada Inc.	Biotechnology, Global Pharmaceutical Corporation, Therapeutics	Bioinformatics, Bioprocessing, Bioproducts, Disease Prevention, Distributor, Drug Delivery, Drug Discovery, Infectious Diseases, Manufacturer, mRNA, Nanomedicine, Oncology, Therapeutics	Commercial Stage, Public Company
Pharma Inventor Inc.	Contract Research & Scientific Services, Biotechnology, Therapeutics	Analytical Services, Bioanalytical Services, Bioproducts, Drug Discovery, Manufacturer, Molecular Diagnostics, Pre-Clinical Services, Product Development, Radio Pharmaceuticals, Therapeutics, Custom Synthesis & Medicinal Chemistry Services, Organic Process R&D, Analytical Services	Discovery Preclinical Studies, Private Company
PharmaDirections, Inc.	Biotechnology, Professional Services, Strategic Consulting, Therapeutics	Bioanalytical Services, Product Development, Teaching and Training, Therapeutics, Wellness Solutions	Private Company
PHEMI Systems Corporation	Digital Health, IT & Software Services	Analytical Services, Artificial Intelligence, Data Management and Statistics, Health-care IT software, Medical Software	Series B Stage
Phyton Biotech LLC	Biotechnology, Contract Research & Scientific Services	cGMP/GLP Compliance, Product Development	Private Company
PicoQuant North America	Diagnostics, Medical Device, Medical Technology, Scientific Supplies	Bioinformatics, Contract Manufacturing, Distributor, Health-care IT software, High-throughput Screening, Medical Device Design, Medical Equipment, Product Development	Commercial Stage, Private Company
Platform LifeSciences	Biotechnology, Contract Research & Scientific Services, Professional Services	Data Management and Statistics, Drug Discovery, Infectious Diseases, Public Health	Phase 3 Clinical Studies, Private Company
Pramana Pharmaceuticals Inc.	Therapeutics	Drug Discovery, Metabolic Diseases, Microbiome, Therapeutics	Discovery Preclinical Studies, Series A Stage
Precision NanoSystems Inc.	Contract Research & Scientific Services, Genomics, Scientific Supplies, Therapeutics		
Primary Peptides Inc.	Biotechnology, Therapeutics	Cardiovascular Disease, Drug Discovery, Neurological Diseases, Oncology, Therapeutics	Clinical Stage, Discovery Preclinical Studies, Phase 1 Clinical Studies, Private Company, Series A Stage
Prime Site Research Solutions Inc.	Contract Research & Scientific Services, Professional Services, Strategic Consulting	Autoimmune Diseases, Bioanalytical Services, Cardiovascular Disease, Data Management and Statistics, Drug Discovery, Gene Therapy, Immune Therapy, Infectious Diseases, Inflammatory Diseases, Metabolic Diseases, Neurological Diseases, Oncology, Ophthalmology, Product Development, Public Health, Quality Assurance, Regulatory, Remote Monitoring, Study Monitoring and Reporting, Teaching and Training, Therapeutics, Vaccines	Private Company, Start-up
PromptHealth	Digital Health	Digital Monitoring, Health-care IT software, Telehealth, Wellness Solutions, Women's Health	Private Company, Start-up
Qu Biologics Inc.	Biotechnology, Therapeutics	Antigen, Bioproducts, Cellular Medicine, Drug Discovery, Immune Therapy, Inflammatory Diseases, Regenerative Medicine, Therapeutics, Vaccines	Clinical Stage, Discovery Preclinical Studies, Phase 1 Clinical Studies, Phase 2 Clinical Studies, Series A Stage
RepliCel Life Sciences Inc.	Biotechnology, Medical Device, Therapeutics	Cellular Medicine, Medical Equipment	Clinical Stage, Phase 1 Clinical Studies, Phase 2 Clinical Studies, Phase 3 Clinical Studies, Public Company
Response Biomedical Corp.	Medical Device	Antigen, Infectious Diseases, Diagnostic Tests, Cardiovascular Tests	
Rostrum Medical Innovations Inc.	Medical Device	Health-care IT software, Imaging, Manufacturer, Medical Device Design, Medical Equipment, Medical Software	Clinical Stage
Sanofi Canada	Global Pharmaceutical Corporation	Antibodies, Autoimmune Diseases, Cardiovascular Disease, Infectious Diseases, Inflammatory Diseases, Neurological Diseases, Oncology, Public Health, Therapeutics, Vaccines	
SaNOTize Research and Development Corp	Biotechnology	Drug Discovery, Product Development, Innovation to Market, Nitric Oxide Drug Development	Clinical Stage, Private Company
Satisfai Health	Biotechnology, Diagnostics, Digital Health, Medical Device, Medical Technology	Artificial Intelligence, Bioinformatics, Imaging, Medical Device Design, Medical Equipment, Medical Software	Commercial Stage, Private Company

LIFE SCIENCES COMPANIES AT A GLANCE

PLEASE REFER TO LIFESCIENCESBC.CA FOR FURTHER INFORMATION ON THESE COMPANIES			
Company Name	Sector	Area of Expertise	Company Stage
SCIEX	Biotechnology, Diagnostics, Medical Technology, Scientific Supplies	Bioanalytical Services, Bioinformatics, Bioprocessing, Medical Equipment, Medical Software, Medical Supplies, Therapeutics	Public Company
ScopeSys Inc.	Biotechnology, Medical Technology, Therapeutics	Drug Delivery, High-throughput Screening, Imaging, mRNA, Nanomedicine, Reagents, Therapeutics	Commercial Stage, Private Company
Shackelford Pharma Inc.	Biotechnology, Therapeutics	Disease Prevention, Drug Discovery, Neurological Diseases, Pediatrics, Product Development, Therapeutics	Discovery Preclinical Studies, Phase 1 Clinical Studies
Sierra Oncology	Biotechnology, Therapeutics	Bioinformatics, Bioprocessing, Bioproducts, Cellular Medicine, Immune Therapy, Oncology, Therapeutics	Phase 3 Clinical Studies, Public Company
SignalChem Lifesciences Corp.	Biotechnology, Contract Research & Scientific Services, Medical Technology, Therapeutics	Drug Discovery, Oncology, Pre-Clinical Services, Product Development, Proteomics, Therapeutics	Clinical Stage, Discovery Preclinical Studies, Phase 1 Clinical Studies, Phase 2 Clinical Studies
Sonic Incytes Medical Corp.	Diagnostics, Medical Device, Medical Technology	Artificial Intelligence, Disease Prevention, Imaging, Infectious Diseases, Inflammatory Diseases, Medical Device Design, Medical Equipment, Metabolic Diseases	Series A Stage
Sonus Microsystems	Medical Technology	Imaging, Medical Equipment	Pre-Seed stage, Start-up
StarFish Medical	Biotechnology, Contract Research & Scientific Services, Diagnostics, Digital Health, Medical Device, Medical Technology, Therapeutics	Cardiovascular Disease, Cellular Medicine, Contract Manufacturing, Drug Delivery, Gene Therapy, Genomics, Imaging, Immune Therapy, Infectious Diseases, Inflammatory Diseases, Manufacturer, Medical Device Design, Medical Equipment, Metabolic Diseases, Microbiome, Molecular Diagnostics, Nanomedicine, Neurological Diseases, Neurophysiology, Oncology, Ophthalmology, Pediatrics, Product Development, Quality Assurance, Radio Pharmaceuticals, Rapid Diagnostic Test Kits, Regenerative Medicine, Regulatory, Remote Monitoring, Telehealth, Testing Instruments, Therapeutics, Toxicology, Wellness Solutions, Women's Health	Commercial Stage, Private Company
STEMCELL Technologies Canada Inc.	Biotechnology, Contract Research & Scientific Services, Scientific Supplies	Cardiovascular Disease, Cellular Medicine, Genomics, Immune Therapy, Manufacturer, Medical Equipment, Oncology, Teaching and Training, Testing Instruments	Commercial Stage, Private Company
StressMarq Biosciences Inc.	Biotechnology, Scientific Supplies	Antibodies, Antigen, Contract Manufacturing, Manufacturer, Neurological Diseases, Product Development, Quality Assurance, Reagents	
Sustained Therapeutics	Therapeutics	Imaging, Medical Device Design	Clinical Stage, Phase 2 Clinical Studies, Seed Stage, Start-up
Symvivo Corporation	Biotechnology, Genomics, Therapeutics	Bioinformatics, Bioprocessing, Cellular Medicine, Drug Delivery, Immune Therapy, Oncology, Proteomics, Therapeutics, Vaccines, Wellness Solutions	Clinical Stage, Private Company
Takeda Canada Inc.	Biotechnology, Global Pharmaceutical Corporation, Therapeutics	Bioinformatics, Bioprocessing, Bioproducts, Cellular Medicine, Distributor, Drug Delivery, Drug Discovery, Neurophysiology, Oncology, Product Development	Commercial Stage, Public Company
Tel-Array Diagnostics Inc.	Biotechnology, Diagnostics, Medical Device, Medical Technology	Antibodies, Antigen, Cardiovascular Disease, Medical Device Design, Molecular Diagnostics, Oncology	Private Company, Series A Stage
Thrive Health	Digital Health, IT & Software Services	Health-care IT software, Pre-Clinical Services, Public Health, Wellness Solutions	Commercial Stage, Private Company
Total Flow Medical	Medical Device, Medical Technology	Medical Device Design	Private Company, Seed Stage, Start-up
UCW Labs Ltd.	Contract Research & Scientific Services, IT & Software Services, Scientific Supplies	Data Management and Statistics, Digital Monitoring, Environmental, Remote Monitoring	
Variational AI	Biotechnology, Medical Technology, Therapeutics	Artificial Intelligence, Bioanalytical Services, Bioinformatics, Bioprocessing, Cellular Medicine, Infectious Diseases, Medical Equipment, Medical Software, Medical Supplies, Neurological Diseases, Oncology, Pathology Services, Therapeutics, Vaccines, Wellness Solutions	Discovery Preclinical Studies, Seed Stage
Vesalius Cardiovascular	Biotechnology, Medical Device, Medical Technology	Cardiovascular Disease, Medical Device Design, Medical Equipment, Medical Supplies	Clinical Stage, Discovery Preclinical Studies, Private Company, Series A Stage
Virogin Biotech Canada Ltd.	Biotechnology, Therapeutics	Drug Delivery, Drug Discovery, Oncology, Product Development, Therapeutics	Phase 1 Clinical Studies, Private Company
VoxCell	Biotechnology, Lab Services, Medical Technology	3D Bioprinting, Bioproducts, Drug Delivery, Drug Discovery, High-throughput Screening, Medical Software, Nanomedicine, Oncology, Pre-Clinical Services, Product Development, Testing Instruments	Seed Stage, Start-up
WEX Pharmaceuticals Inc.	Biotechnology, Therapeutics	Bioanalytical Services, Bioprocessing, Bioproducts, Distributor, Drug Delivery, Drug Discovery, Manufacturer, Neurophysiology, Therapeutics, Wellness Solutions	Commercial Stage, Private Company
Willow Biosciences	Biotechnology, Therapeutics	Bioprocessing, Bioproducts, Manufacturer, Product Development, Therapeutics, Wellness Solutions	Commercial Stage, Public Company
WPD Pharmaceuticals	Biotechnology	Cellular Medicine, Drug Discovery, Oncology, Biological Drugs	Clinical Stage, Public Company
Xco Tech Inc.	Biotechnology, Diagnostics, Digital Health, Medical Device, Medical Technology, Therapeutics	Bioanalytical Services, Bioinformatics, Distributor, Imaging, Manufacturer, Medical Device Design, Medical Equipment, Medical Software, Neurophysiology, Product Development, Regulatory, Remote Monitoring, Study Monitoring and Reporting, Therapeutics, Wellness Solutions	Commercial Stage, Private Company
Xenon Pharmaceuticals Inc.	Biotechnology, Therapeutics	Drug Delivery, Drug Discovery, Neurological Diseases, Pediatrics, Therapeutics	Clinical Stage, Public Company
Zifo RND Solutions	IT & Software Services, Lab Services, Professional Services, Strategic Consulting	Analytical Services, Artificial Intelligence, Bioanalytical Services, Bioinformatics, Bioprocessing, Data Management and Statistics, Drug Discovery, Gene Therapy, Genomics, High-throughput Screening, Imaging, Medical Equipment, Pre-Clinical Services, Regulatory	
Zucara Therapeutics Inc.	Biotechnology, Therapeutics	Autoimmune Diseases, Drug Discovery, Metabolic Diseases, Product Development, Therapeutics	Clinical Stage, Phase 1 Clinical Studies, Private Company
Zymeworks Inc.	Biotechnology, Therapeutics	Antibodies, Bioprocessing, Drug Discovery, Immune Therapy, Oncology, Product Development, Therapeutics	Clinical Stage, Discovery Preclinical Studies, Phase 1 Clinical Studies, Phase 2 Clinical Studies, Phase 3 Clinical Studies, Public Company

LIFE SCIENCES BC MEMBERSHIP DIRECTORY

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675 W10th Avenue, Vancouver, BC, V5Z 4E6,
604-675-8254 bccancer.bc.ca

BCIT, Department of Biotechnology

3700 Willingdon Avenue, Burnaby, BC, V5G 3H2,
604-432-8955 bcit.ca/programs/honours-in-biotechnology-bachelor-of-science-full-time-cooperative-education-8910bsc

British Columbia Centre for Excellence in HIV/AIDS

608 - 1081 Burrard Street,
Vancouver, BC, V6Z 1Y6,
604-806-8477 bccfe.ca

Centre for Health Evaluation and Outcome Sciences (CHEOS)

588-1081 Burrard Street,
Vancouver, BC, V6Z 1Y6,
604-806-9958 cheos.ubc.ca

Clinical Trials BC / BC Academic Health Science Network

Suite - 420 - 1367 West Broadway,
Vancouver, BC, V6H 4A7,
236-521-2064
bcahsn.ca/our-network/clinical-trials-bc

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2366 Main Mall, Vancouver, BC, V6T 1Z4,
start.entrepreneurship.ubc.ca

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#400 - 575 West 8th Avenue,
Vancouver, BC, V5Z 0C4,
604-738-8072 genomebc.ca

ICORD

818 West 10th Avenue,
Vancouver, BC, V5Z 1M9,
604-675-8800 icord.org

Michael Smith Foundation for Health Research

Suite 200, 1285 West Broadway,
Vancouver, BC, V6H 3X8,
604-730-8322 msfhr.org

Nanomedicines Innovation Network

Room 5451, 2350 Health Sciences Mall, UBC,
Vancouver, BC, V6T 1Z2, nanomedicines.ca

Providence Health Care Research Institute

1081 Burrard St, Vancouver, BC, V6Z 1Y6,
604-806-9464 providencehealthcare.ca

Research Universities' Council of British Columbia

Suite 400-880 Douglas Street,
Victoria, BC, V8W 2B7,
250-480-4859 rucbc.ca

Simon Fraser University - Faculty of Science

8888 University Drive, Burnaby, BC, V5A 1S6,
778-782-4590 sfu.ca/science

St. Paul's Foundation

1081 Burrard Street #178,
Vancouver, BC, V6Z 1Y6,
604-682-8206 helpstpauls.com

TRIUMF Innovations

4004 Westbrook Mall, Vancouver, BC, V6T 2A3,
triumfinnovations.ca

UBC Faculty of Medicine - Academy of Translational Medicine

307 - 2194 Health Sciences Mall,
Vancouver, BC, V6T 2B9, mednet.med.ubc.ca

University of British Columbia - Faculty of Medicine

317 - 2194 Health Sciences Mall,
Vancouver, BC, V6T 1Z3,
604-822-2421 med.ubc.ca

University of British Columbia - Faculty of Pharmaceutical Sciences

3309-2405 Westbrook Mall,
Vancouver, BC, V6T 1Z3, pharmsci.ubc.ca

University of British Columbia - Sauder School of Business

2053 Main Mall, Vancouver, BC, V6T 1Z2,
604-822-8500 sauder.ubc.ca

University of British Columbia - School of Biomedical Engineering

2222 Health Sciences Mall,
Vancouver, BC, V6T 1Z3,
604-822-7810 bme.ubc.ca

Vancouver Coastal Health Research Institute

2635 Laurel Street, 6th Floor,
Vancouver, BC, V5Z 1M9,
604-875-4372 vchri.ca

ASSOCIATIONS & GOVERNMENT

Australian Trade & Investment Commission

175 Bloor St E, South Tower, Suite 1100,
Toronto, ON, M4W 3R8,
416-323-4284 austrade.gov.au

BC Tech Association

210-1401 W 8th Avenue,
Vancouver, BC, V6H 1C9,
604-683-6159 wearebctech.com

BioTalent Canada

650-130 Slater Street, Ottawa, ON, K1P 6E2,
866-243-2472 biotalent.ca

BIOTechnica

600-1 Nicholas Street, Ottawa, ON, K1N 7B7,
613-230-5585 biotech.ca

Digital Technology Supercluster

#2000 - 800 Robson Street,
Vancouver, BC, V6Z 2E7, digitalsupercluster.ca

Embassy of the Republic of Lithuania to Canada

1600-150 Metcalfe Street,
Ottawa, ON, K2P 1P1,
613-567-5458 ca.mfa.lt

Gairdner Foundation

MaRS Centre, Heritage Building, 101 College
Street, Suite 335, Toronto, ON, M5G 1L7,
416-596-9996 gairdner.org

Innovative Medicines Canada

55 Metcalfe Street, Ottawa, ON, K1P 6L5,
613-236-0455 innovativemedicines.ca

International Society for Cell & Gene Therapy

744 West Hastings St, Vancouver, BC, V6C 1A5,
604-874-4366 isctglobal.org/home

Ministry of Jobs, Economic Recovery and Innovation

501 Belleville Street, Victoria, BC, V8V 1X4,
604-660-2421 britishcolumbia.ca

National Research Council Canada

1185 West Georgia Street - Suite 650,
Vancouver, BC, V6E 4E6,
604-221-3000 nrc-cnrc.gc.ca

Tourism Richmond

3811 Moncton Street, Richmond, BC, V7E 3A7,
604-821-5480 visitrichmondbc.com

BUSINESS CONSULTANTS

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604-681-6888 arazygroup.com

Baehl Innovation

33 Avenue du Maine, 26th Floor Montparnasse
Tower, Paris, 75755,
604-652-4554 baehl-innovation.com

Brevisretero Corporation

9688 Regional Road 25, Milton, ON, L9T 2X7,
416-417-7675 brevisretero.com

Brighton Group Health Industry Solutions

W23rd, Vancouver, BC,
416-414-6957 brightongrouphealth.com

Cagley Johnson Consulting Inc.

302-608 Broughton Street,
Victoria, BC, V8W 1C7,
250-516-3153 cagleyjohnson.com

Canaan Group

11371 Twigg Place, Richmond, BC, V6V 3C9,
423-400-3405 canaangroup.com

Cisema

7A Shun Pont Commercial Building, 5-11
Thomson Road, Wan Chai,
852-6468 6239 cisema.com/en

Fujitsu Intelligence Technology

#500 - 505 Burrard Street, Box 8,
Vancouver, BC, V7X 1M4,
604-620-8054 fujitsu.com

Grantek

11331 Coppersmith Way, Suite 310,
Richmond, BC, V7A 5J9,
866-936-9509 grantek.com

Kirke Management Consulting

PO Box 224, Vancouver, BC, VON 2E0,
604-787-3230 kirke-consulting.com

McDermott + Bull

1130-1095 W Pender Street,
Vancouver, BC, V6E 2M6,
778-388-2722 mbexec.com

Metamor Health

647-501-8826 metamorhealth.com

Metaphase Health Research Consulting, Inc.

1879 Knox Road, Vancouver, BC, V6T 1S4,
604-224-5925 metaphase-consulting.com

Paragon Ventures Inc.

2nd Floor, 555 Burrard Street,
Vancouver, BC, V7X 1M8,
604-805-7071

OCR Services Inc.

2000 Argenta Road, Plaza 2, Suite 220,
Mississauga, ON, L5N 1V8,
905-363-1182 qualityandcompliance.com

Stratesol Consulting

1055 W Georgia St Suite 2400,
Vancouver, BC, V6E 3P3,
604-506-6617 stratesol.com

Third Quarter Consulting Group

13252 17a Ave, Surrey, BC, V4A 6R9,
888- 703-3006

Tian'en Consulting Group

246-3800 Westbrook Mall,
Vancouver, BC, V6S 2L9,
604-221-1866 tianen.ca

WestPAR Consultancy Inc.

600 - 1285 West Broadway,
Vancouver, BC, V6H 3X8,
604-319-9949 westpar.ca

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Minneapolis, MN, 55433,
877-717-7997 americanpreclinical.com

Anandia

125 - 887 Great Northern Way,
North Vancouver, BC, V7L 2A6,
604-240-7737 anandia.ca

BioBoost Sybio Consulting Inc.

3160 -853 Seaborn ave,
Port Coquitlam, BC, V3B 8G8,
604-356-6676 bioboostsybio.com

BRI Biopharmaceutical Research Inc.

101 - 8898 Heather Street,
Vancouver, BC, V6P 3S8,
604-432-9237 bripharm.com

CEQAL Inc.

307 - 2083 Alma Street,
Vancouver, BC, V6R 4N6,
877-265-7024 ceqal.com

Cytiva

250 Howe Street, Suite 1400-C,
Vancouver, BC, V6C 3S7,
800-463-5800 cytivalifesciences.com/en/ca

EMMES Canada

200-4664 Lougheed Highway,
Burnaby, BC, V5C 5T5,
778-806-4626 emmes.ca

Immunity Diagnostics Inc.

888 West 8th Avenue #310,
Vancouver, BC, V5Z 3Y1,
778-251-4575 immunity-dx.com

IonsGate Preclinical Services Inc.

222-2176 Health Sciences Mall,
Vancouver, BC, V6T1Z3,
604-827-1733 ionsgate.com

L9 BioScience Inc.

13564 Crestview Drive, Surrey, BC, V3R 6T2, L9bioscience.com

Microbiome Insights Inc.

2950 Tollmie Street, Vancouver, BC, V6R 4K6,
604-356-4228 microbiomeinsights.com

Nectar Health Sciences

310-730 View Street, Victoria, BC, V8W 1J8, nectarsciences.com



Novateur Ventures Inc.

1055 West Georgia Street, Suite 2100,
Vancouver, BC, V6E 3P3,
604-357-5272 novateur.ca

Pharma Inventor Inc.

3800 Westbrook Mall, Suite # 202- 215,
Vancouver, BC, V6S 2L9,
604-339-3244 pharmainventor.com

PharmaDirections, Inc.

15100 Weston Parkway, Suite 101,
Cary, NC, 27513,
919- 657-0660 PharmaDirections.com

Phyton Biotech LLC

1503 Cliveden ave, Delta, BC, V3M 6P7,
604-777-2340 phytonbiotech.com

Platform LifeSciences

4245 Nautilus Close, Vancouver, BC, V6R 4L1,
778-317-8530 platformsciences.ca

Precision NanoSystems Inc.

50 - 655 West Kent Ave,
Vancouver, BC, V6P 6T7,
888-618-0031 precisionnanosystems.com

Prime Site Research Solutions Inc.

7508 Getty Gate, Suite 217,
Edmonton, AB, T5T 7E6,
888-600-1999 primesiteresearch.com

SignalChem Lifesciences Corp.

#110 - 13120, Vanier Place,
Richmond, BC, V6V 2J2,
604-232-4600 signalchemlifesciences.com

UCW Labs Ltd.

250 - 997 Seymour St, Vancouver, BC, V6M 3M1,
604-449-2256 ucwlab.com

Zifo RND Solutions

7111 Syntex Drive, Mississauga, ON, L5N 8C3, zifo.com

DIAGNOSTICS

Augurex

220- 887 Great Northern Way,
Vancouver, BC, V5T 4T5,
604-637-3280 augurex.com

Gemina Laboratories

3800 Westbrook Mall, Suite 142,
Vancouver, BC, V6T 1W5, geminalabs.com

Izotrophic Corporation

Suite 424,800-15355 24th Avenue,
Surrey, BC, V4A 2H9,
833-496-2677 izocorp.com

LifeLabs

3680 Gilmore Way, Burnaby, BC, V5G 4V8,
604-431-7206 lifelabs.com

Onestep Laboratories Inc.

162-628 E Kent Ave S, Vancouver, BC, V5X0B2,
778-985-1242 1steplab.com

DIGITAL HEALTH

Canary Medical Inc

1450 Creekside Drive, Suite 400, Vancouver, BC,
V6J 5B3, canarymedical.com

Epiphany360

#1907 - 151 E 15th St,
North Vancouver, BC, V7L 0G9,
604-803-8513 epiphany360.io

HealthQB

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yourhealthqb.com

Molecular You

Suite 405, Vancouver, BC, V6T 1Z3,
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Vancouver, BC, V6Z 1S4,
800-841-1609 phemi.com

PromptHealth

Virtual, Vancouver, BC, ,
778-881-2471 www.prompthealth.ca

Satisfai Health

1111 West Hastings Street, Suite 600,
Vancouver, BC, V6E 2J3,
778-373-3743 satisfai.health

Thrive Health

890 W Pender St #720,
Vancouver, BC, V6C 1J9, thrive.health

Xco Tech Inc.

129 Nanaimo Ave West,
Penticton, BC, V2A 1N2,
866-926-3274 xco.io

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HDR

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Vancouver, BC, V6G 2Z6,
604-687-1898 hdrinc.com/ca

Health and Technology District

1500-13737 96th Ave, Surrey, BC, V3V
0C6, healthandtechnologydistrict.com

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Axis Insurance Group

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Vancouver, BC, V7X 1M8,
604-731-5328 axisgroup.insure

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Vancouver, BC, V6E 0C3,
778-373-4432 beazley.com

Berkley Canada

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Toronto, ON, M5H 1J8,
647-286-3708 berkleycanada.com

Deloitte LLP

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Vancouver, BC, V7X 1P4,
604-669-4466 www2.deloitte.com/ca

KPMG LLP

777 Dunsmuir Street, Vancouver, BC, V7Y 1K3,
604-691-3000 kpmg.ca

PwC LLP

250 Howe Street, Suite 1400,
Vancouver, BC, V6C 3S7,
604-806-7000 pwc.com/ca

RBC Insurance Agency Ltd.

6880 Financial Drive, Mississauga, L5N 7Y5,
800-769-2529 rbcinsurance.com/quote/
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Sage Intacct

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888- 878-7675 sage.com/en-ca/sage-business-
cloud/intacct

GENOMICS**Canexia Health**

Suite 204 2389 Health Sciences Mall,
Vancouver, BC, V6T 1Z3,
778-379-2931 canexiahealth.com

Coastal Genomics

Suite 182 4664 Lougheed Highway, Burnaby, BC,
V5C 5T5, coastalgenomics.com

Fusion Genomics Corporation

Discovery 1 1450,888-8 University Drive,
Burnaby, BC, V5A 1S6,
604-428-7701 fusiongenomics.com

ImmunoFlex Inc.

Vancouver, BC, ,
604-243-2130 immunoflex.com

Incisive Genetics Inc.

301-980 George Street, Vancouver, BC, V6A
0H9, incisivegenetics.com

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604-415-1800 amgen.ca

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1004 Middlegate Road,
Mississauga, ON, L4Y 1M4,
800-565-5877 astraZeneca.ca

Bausch Health

2150 boul. St-Elzéar Ouest, Laval, QC, H7L 4A8,
800-361-1448 bauschhealth.ca

Boehringer Ingelheim

5180 South Service Road, Burlington, ON, L7L
5H4, boehringer-ingelheim.ca

EMD Serono

#200-2695 North Sheridan Way,
Mississauga, ON, L5K 2N6,
604-353-8356 emdserono.ca

Gilead Sciences Inc.

6711 Mississauga Rd Suite 600,
Mississauga, ON, L5N 2W3,
905-363-8008 gilead.com

GlaxoSmithKline Inc.

7333 Mississauga Road,
Mississauga, ON, L5N 6L4,
905-819-3000 gsk.ca

Hoffmann-La Roche Ltd.

7070 Mississauga Road,
Mississauga, ON, L5N 5M8,
905-542-7130 rocheCanada.com

Horizon Therapeutics Canada

9131 Keele Street, Unit 4A,
Vaughan, ON, L4K 0G7,
866-479-6742 horizontherapeutics.ca

Janssen Inc.

19 Green Belt Drive, Toronto, ON, M3C 1L9,
416-449-9444 janssen.ca

Merck Canada Inc.

16750 Trans-Canada Hwy.,
Kirkland, QC, H9H 4M7,
514-428-8600 merck.ca

Novartis Pharmaceuticals Canada Inc.

385 Bouchard Blvd, Dorval, QC, H9S 1A9,
514-631-6775 novartis.ca

Novo Nordisk Canada Inc.

101-2476 Argentea Road,
Mississauga, ON, L5N 6M1,
800-465-4334 novonordisk.ca

**Pfizer Canada Inc.**

17300 Trans-Canada Highway,
Kirkland, QC, H9J 2M5,
877-633-2001 pfizer.ca

Sanofi Canada

2905 Place Louis-R.-Renaud,
Laval, QC, H7V 0A3,
800-265-7927 sanofi.ca/en

Takeda Canada Inc.

Bay Adelaide Centre, 22 Adelaide St W Suite
3800, Toronto, ON, M5H 4E3,
866-397-4473 takedacanada.com

INVESTORS**Amplitude Ventures**

Espace CDPO: 3 Place Ville Marie, Suite 12350,
Montreal, QC, H3B 0E7,
514-298-4222 amplitudevc.com/en

Lipont Pharmaceuticals Inc.

Unit 175, 2639 Viking Way,
Richmond, BC, V6V 3B7,
604-821-1141 libangcapital.ca

Lumira Ventures

141 Adelaide Street West,
Toronto, ON, M5H 3L5,
604-558-5156 lumiraventures.com

Nimbus Synergies

400-610 Main Street, Vancouver, BC, V6A 2V3,
604-734-7275 nimbusinc.vc

Northview LifeSciences

2820 - 200 Granville Street,
Vancouver, BC, V6C 1S4,
604-428-4641 northviewlifesciences.com

Quark Venture LP

Suite 2500 - 1075 West Georgia Street,
Vancouver, BC, V6E 3C9,
604-262-8818 quarkventure.com

Silicon Valley Bank

4410-161 Bay Street, Toronto, ON, M5J
2S1, svb.com/canada

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604-631-3300 blakes.com



CHRISTENSEN | O'CONNOR
JOHNSON | KINDNESS

Christensen O'Connor Johnson Kindness PLLC

1201 Third Avenue, Suite 3600,
Seattle, WA, 98101,
206-682-8100 cojk.com

Farris LLP

PO Box 10026, Pacific Centre South,
Vancouver, BC, V7Y 1B3,
604-684-9151 farris.com

Fasken LLP

Bentall 5 #2900 - 550 Burrard Street,
Vancouver, BC, V6C 0A3,
604-631-3131 fasken.com

Fisher Broyles LLP (Bellingham, WA)

701 Fifth Avenue, Seattle, WA, 98104-5119,
360-961-5054 fisherbroyles.com

Global IP Asset Management

4278 12th Ave W, Vancouver, BC, V6R
2P7, digbyglobal.com

Gowling WLG (Canada) LLP

2300 - 550 Burrard Street,
Vancouver, BC, V6C 2B5,
604-683-6498 gowlingwlg.com

McCarthy Tetrault LLP

745 Thurlow St #2400, Vancouver, BC, V7Y 1K2,
604-643-7100 mccarthy.ca

Norton Rose Fulbright Canada LLP

3000-222 Bay St, Toronto, ON,
M5K 1E7, nortonrosefulbright.com

Osler, Hoskin & Harcourt LLP

Suite 1700, 1055 W Hastings Street,
Vancouver, BC, V6E 2E9,
778-785-3000 osler.com

Oyen Wiggs Green & Mutala LLP

480 - The Station 601 West Cordova Street,
Vancouver, BC, V6B 1G1,
604-669-3432 patentable.com

**Seed Intellectual Property Law Group LLP**

701 Fifth Avenue, Suite 5400,
Seattle, WA, 98104,
206-622-4900 SeedIP.com

MEDIA & COMMUNICATIONS**biofilm MEDIA**

7398 Capistrano Drive, Unit bf,
Burnaby, BC, V5A1P8,
604-724-3233 biofilmmedia.com

Coast Communications and Public Affairs

1526 Duranleau Street, Vancouver, BC, V6H
3S4, coastcomms.ca

PR Associates

600-890 West Pender Street,
Vancouver, BC, V6C 1J9,
604-681-1407 prassociates.com

Reboot Communications Ltd.

#814-21 Dallas Road, Victoria, BC, V8V 4Z9,
250-388-6060 rebootcommunications.com

MEDICAL DEVICES**Artron BioResearch Inc.**

3938 North Fraser Way, Burnaby, BC, V5J 5H6,
604-415-9757 artronbio.com

bioLytical Laboratories Inc.

13251 Delf PI Unit 406, Richmond, BC, V6V 2A2,
604-204-6784 biolytical.com

**Corcym Canada Corp.**

5005 North Fraser Way, Burnaby, BC, V5J 5M1,
604-412-5650 corcym.com

Corus Product Design

215-3751 Jacombs Rd., Richmond, BC, V6V 2R4,
604-370-3744 corusproductdesign.com

DP Labs and Biotechnology Inc.

Victoria, BC, dplabs.ca

Electromate Inc.

6221 Highway 7, Unit #15,
Vaughan, ON, L4H 0K8,
877-737-8698 electromate.com

eSensio Biotech Inc.

205-3855 Henning Drive, Burnaby, BC, V5C 6N3,
778-655-1016 esensiotech.com

**Farabloc Development Corp.**

2 - 8330 Young Road, Chilliwack, BC, V2P 4N9,
604-941-8201 farabloc.com/research

Herstasis Health Inc

Vancouver, BC, herstasis.com

Human in Motion Robotics

473 Monterey Avenue,
North Vancouver, BC, V7N 3R4,
604-418-9969 humaninmotion.ca

IKOMED Technologies Inc.

1375 McLean Drive, Vancouver, BC, V5L 3N7,
604-258-0028 ikomed.com

InnoTech Medical Industries Corp.

124 Garden Ave, North Vancouver, BC, V7P 3H2,
800-756-4204 imixray.com

Innovatek Medical Inc.

#3 - 1600 Derwent Way, Delta, BC, V3M 6M5,
604-522-8303 innovatekmed.com

Kardium Inc.

155 - 8518 Glenlyon Parkway,
Burnaby, BC, V5J 0B6,
604-248-8891 kardium.com

Libang Surgical Technologies

Suite 202, 50 Fell Ave,
North Vancouver, BC, V7P 3S2,
604-285-9975 libangsurgical.com

Mima-pro Scientific Inc.

#115-8877 Odlin Crescent,
Richmond, BC, V6X 3Z7,
604-278-5158 mima-pro.ca

NZ Technologies Inc.

201-1401 West Broadway,
Vancouver, BC, V6H 1H6,
604-336-9464 nztech.ca

Response Biomedical Corp.

1781 - 75th Avenue W., Vancouver, BC, V6P 6P2,
604-456-6010 responsebio.com

Rostrum Medical Innovations Inc.

2201 Pine St, Vancouver, BC, V6J5E7,
604-439-3054 rostrummedical.com

**StarFish Medical**

455 Boleskine Road, Victoria, BC, V8Z 1E7,
250-388-3537 starfishmedical.com

Total Flow Medical

2900 - 550 Burrard Street,
Vancouver, BC, V6C 0A3,

Vesalius Cardiovascular

540-1285 West Broadway,
Vancouver, BC, V6H 3X8,
604-559-6162 vesaliuscardio.com

MEDICAL TECHNOLOGY**3DQue Systems Inc.**

45-1146 Pacific Blvd., Vancouver, BC, V6Z 2X7,
604-755-7162 3dque.com

ABOzymes Biomedical Inc.

1101-1025 Gilford Street, Vancouver, BC, ,
604-831-8334 abozymes.com

Amphotericin B Technologies Inc.

777 Hornby St #760, Vancouver, BC, V6Z 1S4,

Aspect Biosystems

1781 West 75th Avenue,
Vancouver, BC, V6P 6P2,
604-263-0502 aspectbiosystems.com

Axolotl Biosciences

3800 Finnerty Road, Victoria, BC, V8W 2Y2,
250-858-0534 axolotlbiosciences.com

Claris Healthcare

201 - 1099 West 8th Ave,
Vancouver, BC, V6H 1C3,
604-828-9789 clarishealthcare.com

Manzanita Pharmaceuticals, Inc.

2995 Woodside RD, Suite 400, PMB 380,
Woodside, CA, 94062,
408 348-3191 manzanitapharmaceuticals.com

Medtronic Canada ULC

99 Hereford Street, Brampton, ON, L6Y 0R3,
604-708-3900 medtronic.ca

Sonic Incytes Medical Corp.

560 - 828 West 10th Avenue,
Vancouver, BC, V5Z 1M9,
800-881-0096 sonincytes.com

Sonus Microsystems

2332 Main Mall, University of British Columbia,
Vancouver, BC, V5Y 2C4,
604-822-2045 sonusmicrosystems.com

Tel-Array Diagnostics Inc.

418-3800 Wesbrook Mall,
Vancouver, BC, V6S 2L9,
604-221-9227 telarray.com

VoxCell

202 - 566 Yates Street, Victoria, BC, V8W1K8,
778-587-9955 voxcellbio.com

SCIENTIFIC SUPPLIES**Alliance Scientific**

106 - 19298 - 21 Avenue, Surrey, BC, V3Z 3M3,
800-375-2213 allianscescientific.net

Avantor, delivered by VWR

2360 Argentia Rd, Mississauga, ON, L5N5Z7,
514-298-5133 ca.vwr.com

Evonik Health Care

8855 Northbrook, Burnaby, BC, V5J
5J1, corporate.evonik.com/en

PicoQuant North America

110-725 30th ave, Lachine, QC, H8S 3Z9,
438-407-6441 picoquant-usa.com

SCIEX

71 Four Valley Drive, Vaughan, ON, L4K 4V8,
403-990-0562 sciex.com

**STEMCELL Technologies Canada Inc.**

570 West Seventh Avenue, Suite 400,
Vancouver, BC, V5Z 1B3,
604-877-0713 stemcell.com

StressMarq Biosciences Inc.

118-1537 Hillside Avenue, Victoria, BC, V8T 2C1,
250-294-9065 stressmarq.com

THERAPEUTICS**AbCellera**

2215 Yukon Street, Vancouver, BC, V5Y 0A1,
604-559-9005 abcellera.com

Acuitas Therapeutics

6190 Agronomy Road, Suite 405. University of
British Columbia, Vancouver, BC, V6T 1Z3,
604-227-3904 acuitastx.com

Aequus Pharmaceuticals

2820 - 200 Granville Street,
Vancouver, BC, V6C 1S4,
604-336-7906 aequuspharma.ca

Alectos Therapeutics

8999 Nelson Way, Burnaby, BC, V5A 4B5,
604-628-7129 alectos.com

Algernon Pharmaceuticals

915-700 West Pender Street, Vancouver, BC,
V6C 1G8, algernonpharmaceuticals.com

Alpha-9 Theranostics

27 East 7th Ave, Vancouver, BC, V5T
1M4, alpha9tx.com

ARC Medical Devices, Inc.

Unit 8 - 3071 No. 5 Road,
Richmond, BC, V6X 2T4,
604-222-9577 arcmedicaldevices.com

Aurinia Pharma U.S., Inc.

#1203 - 4464 Markham Street,
Victoria, BC, V8Z 7X8,
250-744-2487 auriniapharma.com

Aurora Biomed

1001 East Pender Street, Vancouver, BC, V6A
1W2, aurorabiomed.com

Bold Therapeutics Inc.

515 - 850 W. Hastings Street,
Vancouver, BC, V6C1E1,
604-262-9959 bold-therapeutics.com

Brigene Biosciences Inc.

217-3800 Wesbrook Mall,
Vancouver, BC, V6S 2L9

Celgene Inc.

6755 Mississauga Rd., Suite 600,
Mississauga, ON, L5N 7Y2,
877-923-5436 celgene.ca

Chinook Therapeutics Inc.

210-887 Great Northern Way, Vancouver, BC,
V5T 4T5, chinooktx.com

Clairvoyant Therapeutics Inc.

#2600 595 Burrard St, Vancouver, BC, V7X
1L3, clairvoyanttx.com

Cuprous Pharmaceuticals Inc.

3296 West 48th Avenue, Vancouver, BC, V6N
3P8, cuprous.ca

Cureimmune Therapeutics Inc.

8755 Ash Street, Suite 2,
Vancouver, BC, V6P 6T3,
778-379-6883 cureimmune.com

Delta-Fly Pharma Inc.

801-1080 Howe Street, Vancouver, BC, V6Z
2T1, delta-flypharma.co.jp

Derm-Biome Pharmaceuticals Inc.

#2704-1310 Richards Street,
Vancouver, BC, V6B 0P9,
604-220-8700 derm-biomepharmaceuticals.com

Domain Therapeutiques NA Inc.

7171 Frederick-Banting,
Saint-Laurent, QC, H4S 1Z9,
438-403-7099 domaintherapeutics.com

Dr. Ma's Laboratories

#4-8118 North Fraser Way,
Burnaby, BC, V5J 0E5,
604-439-6089 drmalabs.com

EMPOWER Research Inc.

210-2695 Granville Street,
Vancouver, BC, V6H 3H4,
604-897-9115 empowerresearch.org

**ESSA Pharma Inc.**

Suite 720, 999 West Broadway,
Vancouver, BC, V5Z 1K5,
778-331-0962 essapharma.com

Eupraxia Pharmaceuticals Inc.

201-2067 Cadboro Bay Road,
Victoria, BC, V8R 5G4,
250-590-3968 eupraxiapharmaceuticals.com

Genevant Sciences, Corp.

155-877 Great Northern Way,
Vancouver, BC, V5T 4T5,
778-800-2363 genevant.com

Hamilton Company

Reno, NV,
800-648-5950 hamiltoncompany.com

ImmunoPrecise Antibodies

3204-4464 Markham Street,
Victoria, BC, V8Z 7X8,
800-620-4187 immunoprecise.com

InMed Pharmaceuticals Inc.

Suite 310-815 West Hastings Street,
Vancouver, BC, V6C1B4,
604-669-7207 inmedpharma.com

Innovative Targeting Solutions Inc.

290-2985 Virtual Way, Vancouver, BC, V5M 4X7,
604-433-6779 innovativetargeting.com

iProgen Biotech Inc.

8531 Commerce Court, Burnaby, BC, V5A 4N4,
604-428-4978 iprogen.com

Kintara Therapeutics

720 - 999 West Broadway,
Vancouver, BC, V5Z 1K5,
858-350 4364 kintara.com

LAST Innovations Ltd.

Suite 990 - 777 Hornby Street,
Vancouver, BC, V6Z1S4,
604-622-5250

Me Therapeutics Inc.

5520 - 2350 Health Sciences Mall, Vancouver,
BC, V6T 1Z3, metherapeutics.com

MedGenesis Therapeutix Inc.

1007 Fort Street, Victoria, BC,
Victoria, BC, V8V 3K5,
250-386-3000 medgenesis.com

Medicenna Therapeutics Corp.

281, 29th Street, West Vancouver, BC, V7V
4M5, medicenna.com

Mesentech

2222 Health Sciences Mall,
Vancouver, BC, V6T 1Z3,
774-234-8018 mesentech.com

Microbion Pharma Corp.

406-233-6472 microbioncorp.com

MSI Methylation Sciences Inc.

15300 Croydon Drive, Surrey, BC, V3S 0Z5,
778-806-4898 methylationsciences.com

NervGen Pharma Corp.

Suite 1703, Three Bentall Centre, 595 Burrard
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604-488-5421 nervgen.com

New Beta Innovations Canada Limited

168 - 8508 Glenlyon Parkway,
Burnaby, BC, V5J 0B6,
604-421-7308 newbinnovation.ca

**Notch Therapeutics, Inc.**

500-887 Great Northern Way,
Vancouver, BC, V5T 4T5,
604-449-6662 notchtx.com

Numinus Wellness Inc.

801 - 33 Water Street, Vancouver, V6B 1R4,
833-686-4687 numinuswellness.com/
bioscience

Oak Bay Biosciences

Victoria, BC,
250-886-1849 oakbaybio.com

Ondine Biomedical Inc.

888 - 1100 Melville Street,
Vancouver, BC, V6E 4A6,
604-669-0555 ondinebio.com

Pramana Pharmaceuticals Inc.

#601-570 Granville Street,
Vancouver, BC, V6C 3P1,
604-721-1710 pramanapharma.ca

Primary Peptides Inc.

Unit F168, 2211 Wesbrook Mall,
Vancouver, BC, V6T 2B5,
236-518-7538 primarypeptides.com

Qu Biologics Inc.

4475 Wayburne Drive, Suite 305,
Burnaby, BC, V5G 4X4,
604-734-1450 qubiologics.com

RepliCel Life Sciences Inc.

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Vancouver, BC, V6C 3P1,
604-248-8730 replicel.com

SanOtiize Research and Development Corp

Unit 1 - 8755 Ash Street,
Vancouver, BC, V6P 6T3, sanotize.com

ScopeSys Inc.

33 Rue Prince, Montreal, QC, H3C 2M7,
519-820-3450 scopesys.ca

Shackelford Pharma Inc.

1000-355 Burrard Street,
Vancouver, BC, V6G 2G8,
888-377-4225 shackelfordpharma.com

Sierra Oncology

2150 - 885 West Georgia Street,
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604-558-6536 sierraoncology.com

Sustained Therapeutics

2660 Oak Street, Vancouver, BC, V6H 3Z6,

Symvivo Corporation

8900 Glenlyon Parkway, Burnaby, BC, V5J5J8,
604-428-7474 symvivo.com

Variational AI

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Vancouver, BC, V5T 1E1,
604-7617199 variational.ai

Virogin Biotech Canada Ltd.

408-3800 Wesbrook Mall,
Vancouver, BC, V6S 2L9,
604-222-0591 virogin.com

WEX Pharmaceuticals Inc.

1150-1100 Melville Street,
Vancouver, BC, V6E 4A6,
604-683-8880 wextech.ca

Willow Biosciences

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236-471-5341 willowbio.com

WPD Pharmaceuticals

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Vancouver, BC, V6C 1H2,
604-561-2687 wpdpharmaceuticals.com

Xenon Pharmaceuticals Inc.

200 - 3650 Gilmore Way, Burnaby, BC, V5G 4W8,
604-484-3300 xenon-pharma.com

Zucara Therapeutics Inc.

661 University Avenue, Suite 1300, MaRS
Centre, Toronto, ON, M5G 0B7,
604-839-7893 zucara.ca

**Zymeworks Inc.**

540-1385 West 8th Avenue,
Vancouver, BC, V6H 3V9,
604-678-1388 zymeworks.com

23rd ANNUAL LIFE SCIENCES BC AWARDS

Building on excellence – a bold, bright future

Life Sciences BC is pleased to announce the recipients of the 23rd Annual Life Sciences BC Awards, presented by Farris. These awards are presented annually in recognition of the significant achievements of talented individuals and organizations that embody the life sciences community of British Columbia. Our award winners exemplify the full spectrum, from discovery to commercialization, and underscore the full breadth and depth of knowledge that impacts the B.C. bio-economy.

B.C. life sciences innovation has been globally recognized for addressing the unique challenges that arose as a result of the pandemic; we saw B.C. take a leadership role in the development of vaccines, therapeutics, medical devices and diagnostics, and digital health solutions. While many B.C. companies and individuals have contributed greatly, Life Sciences BC would like to recognize the extraordinary efforts made within our sector with two special Impact Awards for 2020 that celebrate leadership.

The 2021 LifeSciences BC award winners

AbCellera	Life Sciences Company of the Year
Dr. Michael Russello	Genome British Columbia Award for Scientific Excellence
Dr. Ruth Grunau	Michael Smith Foundation for Health Research – Aubrey J. Tingle Prize
Northview Ventures: Doug Janzen	Milton Wong Award for Leadership
Kardium	Medical/Digital Technology Company of the Year
Aurinia Pharmaceuticals Inc.	Deal of the Year
Novateur Ventures	Strategic Life Sciences Partner of the Year
Notch Therapeutics	Emerging Life Sciences Company of the Year
Dr. Helen Burt	Dr. Don Rix Award for Achievement in Life Sciences
Acuitas Therapeutics	Global Impact Award: Company
Dr. Mel Krajden	Leadership Impact Award: Individual



LIFE SCIENCES COMPANY OF THE YEAR

ABCELLERA

AbCellera is a technology company that searches, decodes and analyzes natural immune systems to find antibodies that its partners can develop into drugs to prevent and treat disease. AbCellera partners with

drug developers of all sizes, from large pharmaceutical to small biotechnology companies, empowering them to move quickly, reduce cost and tackle the toughest problems in drug development.



GENOME BRITISH COLUMBIA AWARD FOR SCIENTIFIC EXCELLENCE

DR. MICHAEL RUSSELLO

Michael Russello, a professor in the department of biology at the University of British Columbia in Kelowna, received his PhD from Columbia University. Following postdoctoral training at Yale University, he was the Hrdy Fellow in Conservation Biology at Harvard University. Work in his lab is at the interface of ecology and evolution, investigating the genomics of adaptation, life history variation, population dynamics and speciation. His research program helped inform biodiversity conservation in over 10 countries, spanning four continents for species including

Galápagos tortoises, Sockeye salmon, Amazon parrots, Cuban crocodiles and Amur tigers. This research has also made significant contributions to conservation genetics and genomics, including challenging concepts related to identifying units for conservation, explaining how hybridization and population size changes affect diversity, understanding how invasive species establish and spread, and advancing strategies for captive breeding and repatriation. Much of this has successfully translated into management action.



MICHAEL SMITH FOUNDATION FOR HEALTH RESEARCH – AUBREY J. TINGLE PRIZE

DR. RUTH GRUNAU

Dr. Ruth Grunau, a psychologist, is a professor in the division of neonatology in the pediatrics department at the University of British Columbia, and a senior scientist in the BC Children's Hospital Research Institute. Her early work in measurement of facial indicators of infant pain made a landmark impact on the field of pain assessment – adapted and incorporated into other scales used worldwide clinically and for research. More recently, she is known internationally as the leader in long-term effects of neonatal pain in

infants born pre-term. Dr. Grunau's multidisciplinary research has shown long-term consequences of daily procedural pain at a time of rapid brain development and programming of stress systems, in infants born two to four months early, which has impacted neonatal hospital care. With funding by the NIH and the Canadian Institutes of Health Research, she has published more than 200 refereed journal articles and 34 book chapters.



MILTON WONG AWARD FOR LEADERSHIP

NORTHVIEW VENTURES: DOUG JANZEN

The Milton Wong Award for Leadership recognizes Northview Ventures' Doug Janzen for commitment, leadership and support within the B.C. life sciences sector, contributing significantly to the success of the community over the past year.

Northview Ventures is a strategic investment and consulting firm focused on life sciences. Their team

combines end-user insight with scientific, commercial and business development expertise to develop and advance growth strategies for clients. The company provides licensing and transaction support, market assessment, corporate strategy and company creation services.

23rd ANNUAL LIFE SCIENCES BC AWARDS

MEDICAL/DIGITAL TECHNOLOGY COMPANY OF THE YEAR

KARDIUM



Kardium Inc. is a rapidly growing medical solutions company that has developed an advanced system for the treatment of atrial fibrillation (AF), which affects more than 37 million people worldwide. The Globe Mapping and Ablation System is the most complete solution for AF, offering single-shot pulmonary vein isolation,

high-definition mapping and atrial ablation – all in a single catheter. Founded in 2007 and headquartered in Vancouver, Kardium has been recognized as a top company to work for in B.C., including recognition as Medical Technology Company of the Year in 2015 and again in 2021 by Life Sciences BC.

DEAL OF THE YEAR

AURINIA PHARMACEUTICALS INC.



Aurinia Pharmaceuticals is a fully integrated biopharmaceutical company focused on delivering therapies to treat targeted patient populations that are impacted by serious diseases with a high unmet medical need. The company introduced and is commercializing the first U.S.

FDA-approved oral therapy for the treatment of adult patients with active lupus nephritis. The company's head office is in Victoria, its U.S. commercial hub is in Rockville, Maryland, and the company focuses its development efforts globally.

STRATEGIC LIFE SCIENCES PARTNER OF THE YEAR

NOVATEUR VENTURES



Novateur Ventures provides innovation for life science, virtually, anywhere and anytime. Novateur is comprised of a diverse advisory network of seasoned experts who have held integral roles in the development of products within global organizations and have extensive experience across all phases of company and product life cycles. They are servicing clients ranging from early-stage startups to global players around the globe in the biotechnology, pharmaceutical, medical device and digital

health fields. Novateur Ventures offers expertise in the areas of strategy, clinical and regulatory development, reimbursement, financing, venture capital advisory and due diligence, executive placement and much more. So far, the Novateur team has a track record of successfully completing over 300 INDs/CTAs, facilitating the development and commercialization of over 300 drugs and devices, 100 NDAs and BLAs and facilitating over 20 mergers and acquisitions, as well as an IPO.

EMERGING LIFE SCIENCES COMPANY OF THE YEAR

NOTCH THERAPEUTICS



Notch develops renewable, stem cell-derived immunotherapies, with an initial focus on cancer. They believe that cell therapies bring value to patients and healthcare systems by being safe, effective and accessible. Built on foundational discoveries in developmental immunology and enabled by world-class bioengineering and advanced cell manufacturing teams, Notch has developed a proprietary platform with the potential for best-in-class commercial manufacturing of stem cell-derived immunotherapies that bypass the need to use a patient's own immune cells. The Notch Engineered Thymic

Niche provides developing hematopoietic cells the right signals to predictably direct development. This simplifies manufacturing and has the potential to produce immune cells at scale without animal components or feeder cell lines. Applying our proprietary suite of gene editing and synthetic biology technologies to control stem cell division and differentiation, alter the tumor microenvironment, and enhance tumor antigen specificity and immune susceptibility, Notch is developing a robust pipeline of next-generation cellular immunotherapies.

23rd ANNUAL LIFE SCIENCES BC AWARDS



DR. DON RIX AWARD FOR LIFETIME ACHIEVEMENT

DR. HELEN BURT

Dr. Helen Burt, who retired recently from the University of British Columbia (UBC), held positions as associate vice-president of research and innovation and vice-president of research and innovation, pro tem. She was appointed an officer of the Order of Canada in 2020. As Angiotech Professor of Drug Delivery in UBC's Faculty of Pharmaceutical Sciences, Dr. Burt developed polymer-based drug delivery systems for controlled, localized drug delivery. She published over 160 peer-reviewed papers, numerous patents and received several teaching prizes and research awards. As a founding scientist in adMare BioInnovations and

member of the Canadian Academy of Health Sciences, she served as advisor/director on numerous boards. Partnered with Angiotech Pharmaceuticals Inc., her research group developed preclinical drug delivery systems. She was director of research in Angiotech from 1996 to 1997. Other collaborations include ARC Medical Devices Inc. and OncoGenex. Development of an intravesicular nanoparticulate drug delivery system for treating bladder cancer led to a long-term research partnership with adMare, leading to the establishment of Sitka Biopharma.



GLOBAL IMPACT AWARD: COMPANY ACUITAS THERAPEUTICS

Founded in February 2009, Vancouver-based Acuitas Therapeutics is a private biotechnology company that specializes in the development of delivery systems for nucleic acid therapeutics based on lipid nanoparticles. The company partners with pharmaceutical companies, biotechnology organizations and academic institutes to advance nucleic acid therapeutics to the clinical trial phase and to the marketplace. The team works with partners to develop new therapies

to address unmet clinical needs based on the internationally recognized capabilities in delivery technology developed by Acuitas Therapeutics. Acuitas Therapeutics is known globally as a leader in the field of lipid nanotechnology. The team, led by co-founder Dr. Thomas Madden, is made up of highly experienced scientists, researchers, project managers and administrative professionals – all of whom are focused on excellence in their respective roles and as a company.



LEADERSHIP IMPACT AWARD: INDIVIDUAL DR. MEL KRAJDEN

Dr. Mel Krajden is the medical director of the BC Centre for Disease Control Public Health Laboratory and the medical head of hepatitis at the British Columbia Centre for Disease Control. He is also a professor of pathology and laboratory medicine at the University of British Columbia. He is currently a member of Federal COVID Immunity Task Force and facilitates the Testing Working Party, a member of the Health Canada COVID-19 Testing and Screening Expert Advisory Panel, a member of the Federal Variants of Concern Strategy Leadership Group and a member of

the Vaccine Surveillance Reference Group. In August 2020, he was appointed as a member of the Order of British Columbia for his contributions to public health. He has extensive clinical trials expertise and has received CIHR and/or other peer-reviewed funding in the fields of human papillomavirus, HIV, hepatitis C virus and COVID-19. He is also a co-PI/mentor for CIHR funded Canadian Hepatitis C Network and has more than 320 publications.

A male scientist with glasses and a white lab coat is using a pipette to transfer liquid into a small vial. The background is a blurred laboratory setting. In the top left corner, there is a graphic of overlapping blue hexagons of varying shades.

We build companies.
We build ecosystems.
We build talent.

We build Canada's life sciences
industry from sea to sea.

