

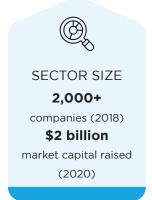


# **BC Life Sciences Update 2021:**

Building on a foundation of innovation

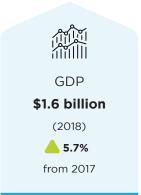
#### **SECTOR STATS**

BC is home to the fastest growing life sciences sector in Canada, and one of the fastest growing sectors in BC. Greater Vancouver is home to the main hub of activity.









#### SECTOR STRENGTHS

- World leading science in key fields
  - Lipid Nanoparticles
  - Antibodies
  - Genomics
  - Oncology
  - Precision Medicine
  - Vaccine R & D
  - Medtech/Medical device design
- Highly trained, multidisciplinary talent hase
- Leader in low carbon/clean technology

#### **SYSTEM BARRIERS**



Lack of consistent growth capital and commercialization incentives



Complex regulatory, tax, and procurement policies and processes



Shortage of wet-lab space and manufacturing capabilities





Inconsistency of coordinated collaboration across governments, academia, research, and industry in efforts to scale companies and adopt innovation



Lack of coordinated data strategy to advance research and health innovation



## Talent

Enhance investment in talent to attract, develop, and retain scientific leaders with a focus on C-suite leadership that will support commercialization and company growth



## Capital

A dedicated life sciences fund to support the VC market, early-stage growth, and incubator organizations



## **Regulatory & Tax Policies**

Implement modernized, streamlined, globally aligned and harmonized regulatory processes

Implement competitive tax policies that attract and retain investment and ensure retention of intellectual property in B.C. and Canada



RECOMMENDATIONS



## **Value-based Procurement**

Implement streamlined value-based health procurement and sourcing strategies to ensure local innovation is considered and prioritized for adoption



## Data

Invest in a coordinated, comprehensive digital health strategy to provide faster, streamlined access to data

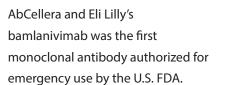


## Infrastructure

Continue to invest in research and increase investment in critical infrastructure, particularly lab space and manufacturing

## BC BIOTECH INNOVATION LEADING GLOBAL PANDEMIC RESPONSE







Precision Nanosystems (PNI) enables researchers to translate disease biology insights into non-viral genetic medicines.



Acuitas Therapeutics developed an mRNA delivery platform for the world's first FDA approved COVID -19 vaccine made by Pfizer – BioNTech.



STEMCELL Technologies develops specialty cell culture media, cell isolation systems and accessory products for life science research, including COVID-19.