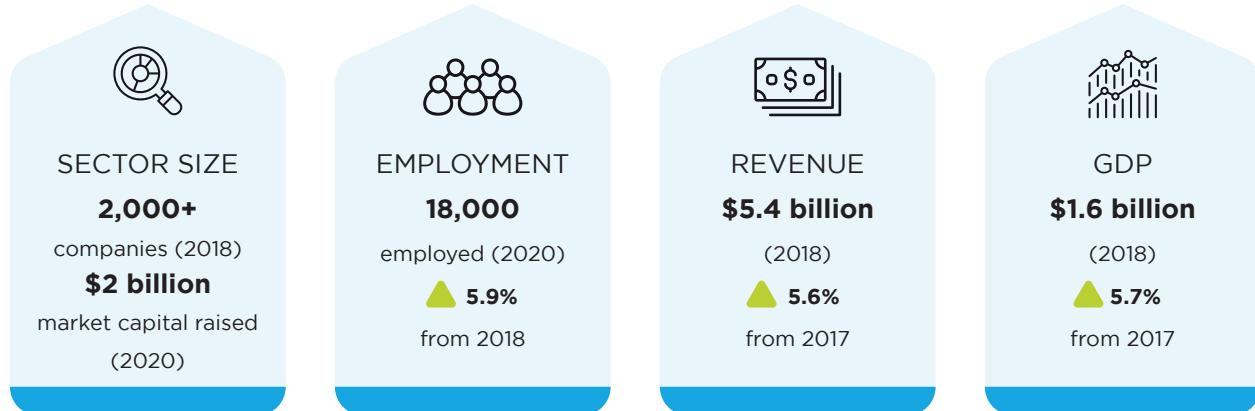


# BC Life Sciences Update 2021:

## 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.

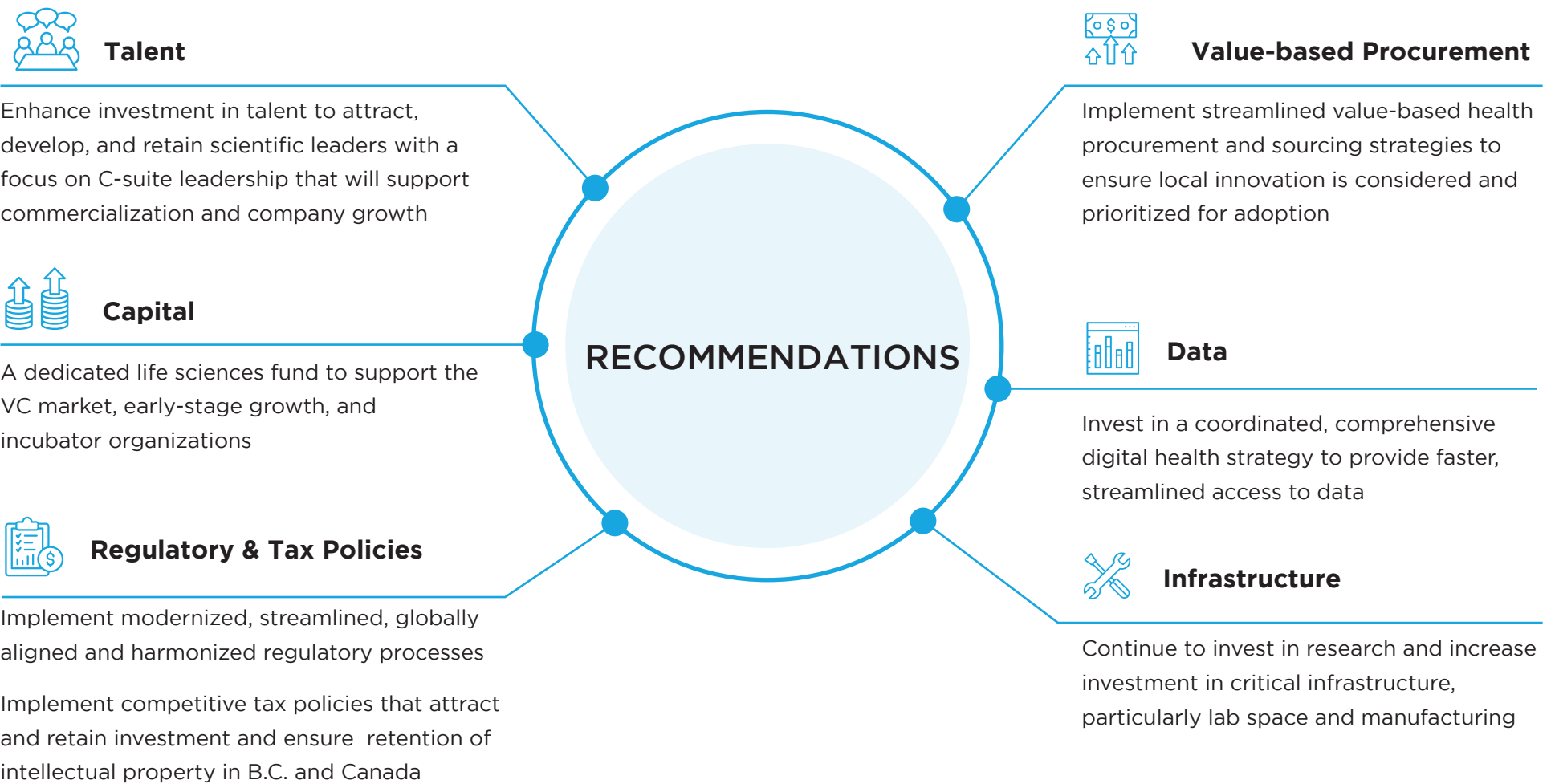


### SECTOR STRENGTHS

- World leading science in key fields
  - Lipid Nanoparticles
  - Antibodies
  - Genomics
  - Oncology
  - Precision Medicine
  - Vaccine R & D
  - Medtech/Medical device design
- Highly trained, multidisciplinary talent base
- 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
- Scarcity of executive-level talent
- 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



### BC BIOTECH INNOVATION LEADING GLOBAL PANDEMIC RESPONSE



AbCellera and Eli Lilly's bamlanivimab was the first monoclonal antibody authorized for emergency use by the U.S. FDA.



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.