

# Health Research & Development INVESTMENT OPPORTUNITY



The Edmonton Metropolitan Region is home to a large concentration of chemical companies, world-class expertise, accessible health datasets from 4.5 million people and a university that is ranked 2<sup>nd</sup> in North America for Artificial Intelligence research. We are at the forefront of research in cancer, virology, precision health, and diabetes – and we have world class facilities to support this work.



## Ecosystem Snapshot

### Alberta Innovates – Health Research Funding program

Offers a wide range of funding programs for the life sciences sector.

### Health Innovation Hub

A community incubator for innovators and entrepreneurs working in the life science sector.

### Applied Pharmaceutical Innovation (API)

Has attracted \$31 million in investment since its launch in 2018.

### Institute of Health Economics

A non-profit research institute based in Edmonton which conducts health economics, health technology assessment, and knowledge transfer/exchange.

## Edmonton Metropolitan Region Value Proposition

- World class researchers
- Canadian currency offers significant cost advantage compared to US
- Alberta Health Services is Canada's largest single healthcare system – a significant asset when conducting clinical trials and R&D.
- Lowest cost for lab space in Canada is in Edmonton.
- University of Alberta ranked #5 in Canada (No. 34 of 200 globally for pharmacology and No. 5 globally for nursing)

## Highlights

**2<sup>nd</sup>**

in North America for  
Artificial Intelligence research

**#1**

The University of Alberta has the largest  
consortium of virologists in Canada

**200%**

growth in biotech  
research and development  
spending since 2014

**Top 40**

Global ranking of University of  
Alberta's pharmacology/pharmacokinetic program

**#1**

Alberta Health Services is headquartered in Edmonton  
and is Canada's largest single healthcare system



## Case Study



A collaboration between the University of Alberta and Alberta Health Services (AHS) that serves sponsors and investigators, increases studies and streamlines processes, provides education, and is part of all clinical research between the university and AHS.

**362**

active sponsors

**10,084**

completed studies

**625**

active investigators

**1948**

active studies

## Research Centres

### Li Ka Shing Institute of Virology (LKSloV)

The LKSloV unites a consortium of world-renowned researchers to promote scientific advancements aimed at expanding understanding of virology and immunology.

- **50+** researchers
- Collaborations with **68** international institutes
- International partnerships representing **23** countries

### Alberta Diabetes Institute

The 25,000 square foot Institute was established in 2007 as a stand-alone facility to consolidate the University's outstanding collection of diabetes researchers and their trainees. The Institute includes 55 principal investigators and nearly 200 trainees from multiple scientific disciplines.

- **25,000 m2** facility
- **55** Principal Investigators
- **200** trainees from various scientific disciplines
- **367** scientific publications in 2018
- **74** clinical trial annually (2018)

### Cross Cancer Institute (CCI)

As part of Alberta Health Services (AHS), CCI is a leader in innovative cancer research, prevention, treatment and care. The Institute includes an active Clinical Trials Unit and state-of-the-art care and equipment.

- **60** investigators
- **100+** clinical staff
- **14%** of new patients treated at CCI are enrolled in clinical trials
- **1st** in Canada to successfully complete CAR T Cell Therapy