



Alberta  
Innovates  
Alberta Research and  
Innovation Authority

# Living Laboratory Alberta

Dr. Marvin Fritzler

Chair, Alberta Research and Innovation Authority

February 19, 2013

## ARIA's Mandate

- Advise the Minister of EAE on research and innovation matters and other duties as directed.

## ARIA's Core Business

- Respond to the Minister's requests for advice.
- Identify leading-edge research and innovation policies that can support the diversification of Alberta's economy.
- Assess the performance of Alberta's innovation system.
- Connect Alberta with the research and innovation community in other jurisdictions.

# Minister Khan's Charge to ARIA

---

- Can the Living Laboratory concept support Alberta's health research and innovation objectives?
- How can the Living Laboratory concept be successfully implemented in Alberta?



**\*\*Marvin Fritzler,  
Chair**



**\*\*Alan Bernstein,  
Ontario**



**\*\*Chris Henshall, UK**



**Helena Acheson,  
Germany and Ireland**



**Oryssia Lennie, Vice-  
Chair**



**\*\*Peter Nicholson,  
Ontario**



**\*\*Florence Gauzy  
Krieger, Germany**



**Peter Riddles,  
Australia**



**\*\*Geoffrey Pradella,  
Alberta**



**Laura Kilcrease,  
Texas**

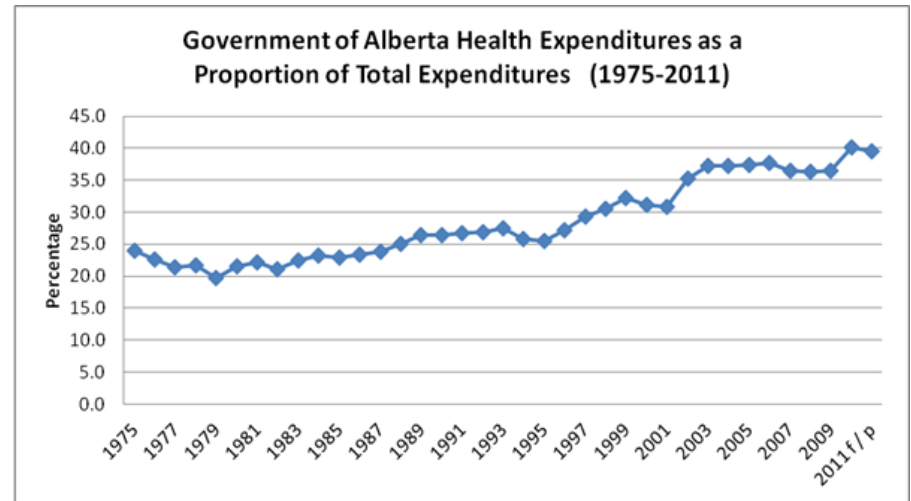


**Riikka Heikinheimo,  
Finland**

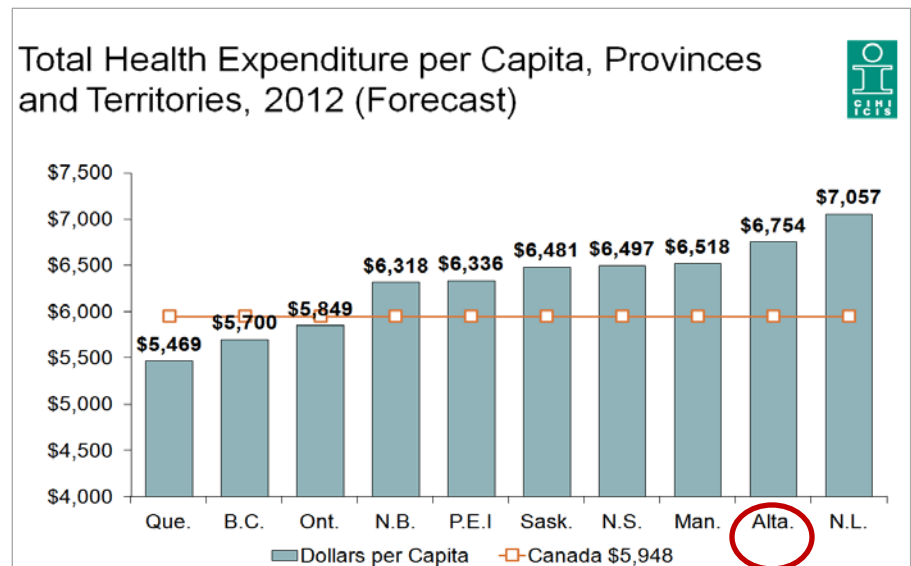
**\*\* Living Lab  
Tiger Team Members**

# Health Spending on the Rise

- At \$16 billion, healthcare costs currently represent roughly 40% of Alberta's budget.



- Alberta has the 2<sup>nd</sup> highest per capita health expenditures (13% higher than the national average).



# Significant Investments in Health Research

Between 2001 and 2011:

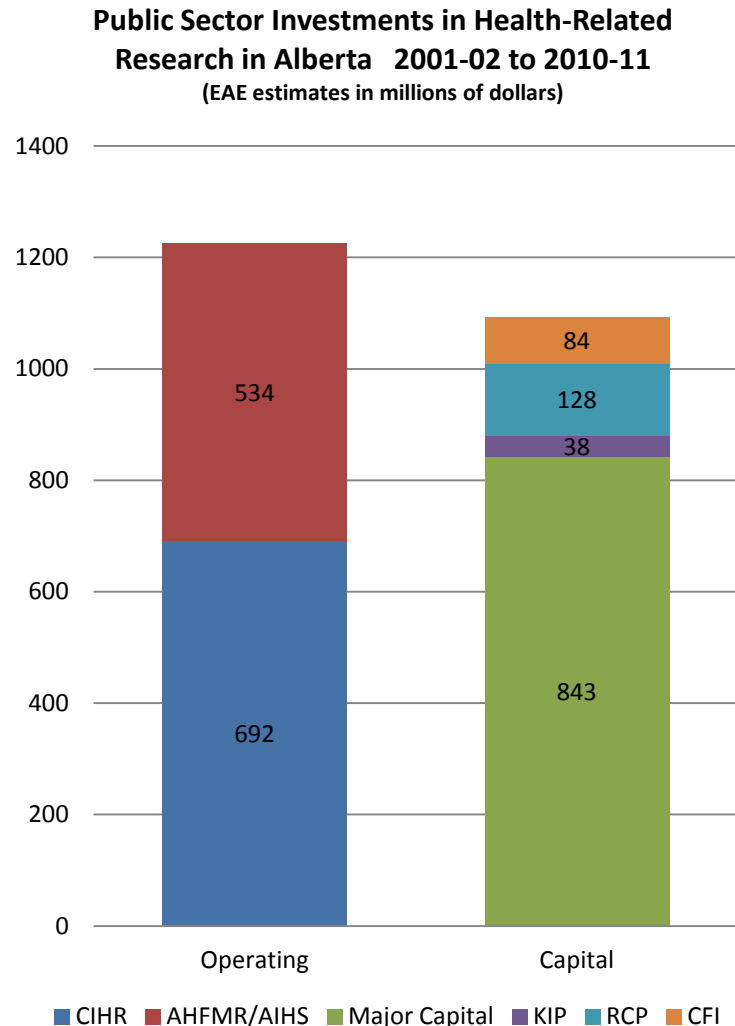
- Over \$1.2 billion invested in health research operating support (GoA and GoC)
- \$880 million invested in health-related post-secondary infrastructure (GoA & GoC)
- Over \$200 million invested in health research equipment (RCP & CFI)

In 2010-11:

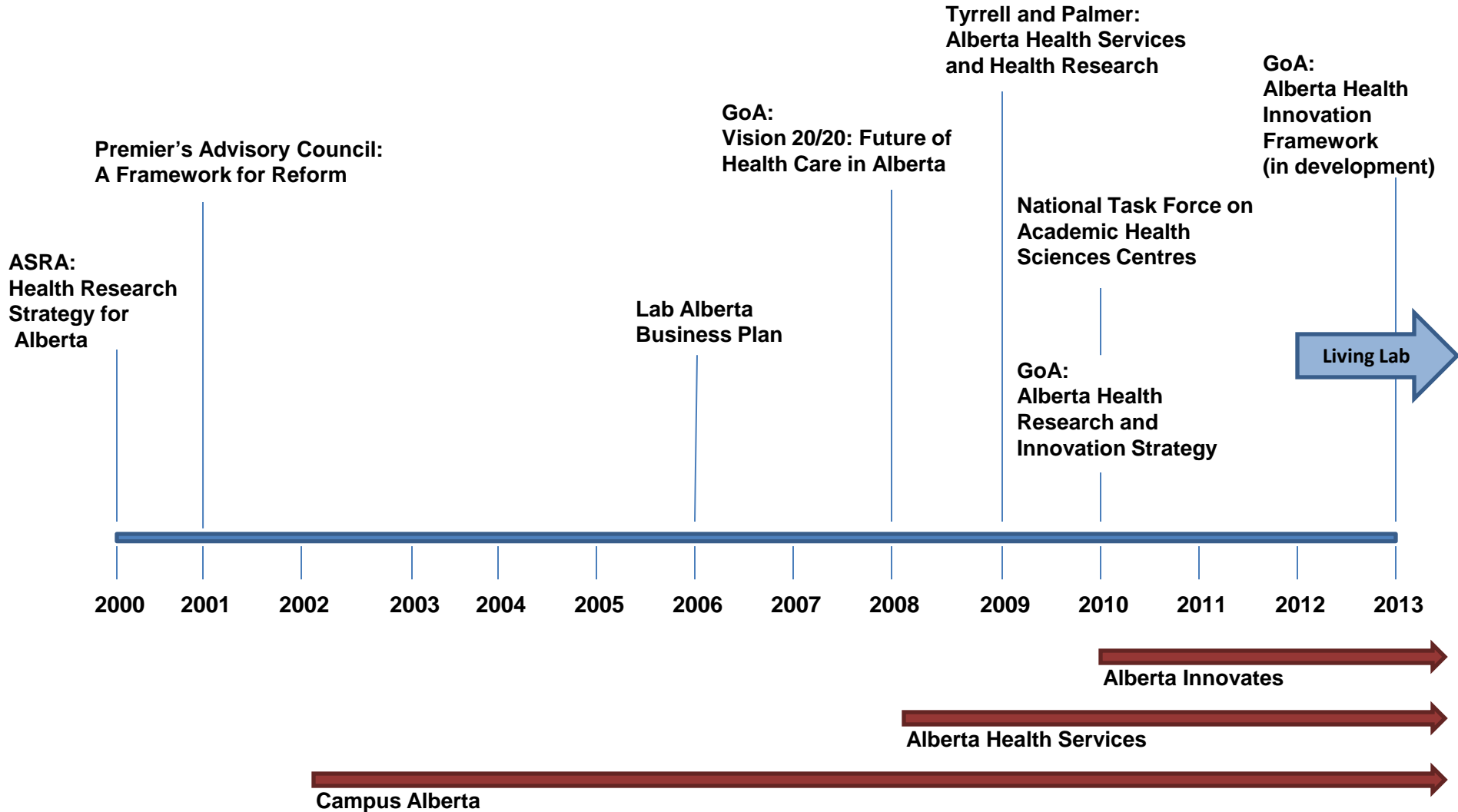
- At \$130 million, health research accounted for the largest share (23%) of the GoA's scientific expenditures.

In 2010:

- Alberta's 200 life sciences companies spent \$128 million in R&D activities.



# Health Research Strategies



# Health Research Strategies: High-Level Recommendations

	Alignment of Research , Delivery and education	Province-wide Integration	Build on Research Strengths	Education and Skills	Single Health Data Information System	Knowledge Transfer and Translation	Coordinated Clinical Trials Environment	Bio Banking	Measures and Benchmarks	Dissemination of research to clinical practices
ASRA: Health Research Strategy (MacLeod)		*	*	*	*					
Lab Alberta Business Plan					*	*	*	*	*	
Vision 20/20		*		*						
National Task Force on the Future of Canada's Academic Health Sciences Centres	*	*		*					*	*
AHS and Health Research (Tyrrell & Palmer)	*		*		*	*	*			*
AB Health Research and Innovation Strategy	*	*	*			*		*	*	*



# Considerations

## Goals

What are the specific health and economic outcomes that an Alberta living lab should set out to achieve?

## Governance

How can health policy-makers, researchers, educators, practitioners and innovators align under common objectives? Are the right structures in place?

## Reach

Is national and international engagement required? Is it a priority? How can it be coordinated?

## Building Blocks

Are the necessary supports present? Data access, ethics framework, IP policy, ...

## Focus

What's the roadmap? What are the early objectives, requirements and actions?