



CANADA FOUNDATION FOR INNOVATION

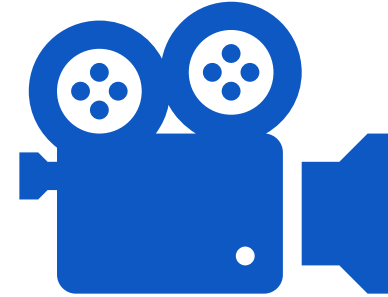
# Bioscience Research Infrastructure Fund

INFORMATION SESSION

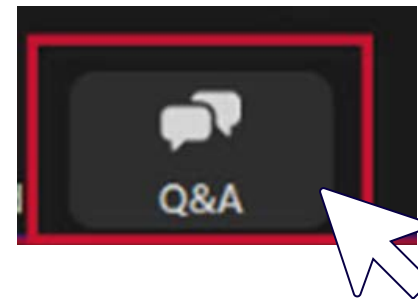
September 27, 2021

# Housekeeping items

- **Recorded Session**



- **Questions**





# Agenda

- Biomanufacturing and life science strategy and investments
- BRIF competition – CL3
  - Competition Objectives
  - Funding Model
  - Eligibility
  - Timeline
  - Application process
  - Assessment Criteria
  - Strategic Review Committee
- Questions

# Biomanufacturing strategy

## 1 Strong and Coordinated Governance:

Enabling rapid decision-making, informed by experts; and, to ensure our investments achieve maximum impact.

## 2 Laying a Solid Foundation by Strengthening Research Systems and the Talent Pipeline:

From post-secondary institutions, research hospitals and Canadian scientists, we are supporting the foundational inputs necessary to have a healthy life sciences ecosystem. After all, there is no point having a state-of-the-art factory if we don't have the people and talent to run it.

## 3 Growing Businesses by Doubling Down on Existing and Emerging Areas of Strength:

We will continue to support Made-in-Canada solutions through the Strategic Innovation Fund to rebuild the sector. We have a strong pipeline of projects across the country that will create thousands of good jobs for Canadians while closing key gaps in our biomanufacturing supply chain.

## 4 Building Public Capacity:

Taking advantage of the new capacity coming online at Canada's National Research Council, including its new Biologics Manufacturing Centre. With this new facility built ahead of schedule, we will be able to produce vaccines for whatever the future may hold.

## 5 Enabling Innovation by Ensuring World Class Regulation:

Lastly, this will make Canada a more attractive destination for leading life sciences firms to establish and grow. Overall, this will help us grow a strong and competitive domestic life sciences sector, and ensure Canada's readiness for future pandemics or other health emergencies.

# Budget 2021 \$2.2B for bio- manufacturing and life sciences

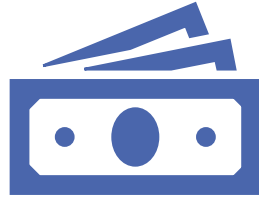
- **\$500 million over four years, starting in 2021–22, for the Canada Foundation for Innovation to support the bioscience capital and infrastructure needs of post-secondary institutions and research hospitals**
- \$250 million over four years, starting in 2021–22, for the federal research granting councils to create a new tri-council biomedical research fund
- \$250 million over three years, starting in 2021–22, to the Canadian Institutes of Health Research for a clinical trials fund
- \$59.2 million over three years, starting in 2021–22, for the Vaccine and Infectious Disease Organization to develop its vaccine candidates and expand its facility in Saskatoon
- \$92 million over four years, starting in 2021–22, for adMare BioInnovations to support company creation, scale-up and training activities in the life sciences sector
- \$45 million over three years, starting in 2022–23, for the Stem Cell Network to support stem cell and regenerative medicine research
- \$1 billion over seven years, starting in 2021–22, through the Strategic Investment Fund

# Competition objectives

- Address **immediate infrastructure needs** in post-secondary institutions' and affiliated research hospitals' capacity **to support pandemic preparedness and respond to emerging health threats**, consistent with Canada's Biomanufacturing and Life Sciences Strategy.
- Support the development of **strong linkages** among researchers working in a variety of settings, including government laboratories, and users of research results in all sectors.
- Create an environment to attract and **train highly qualified personnel** linked to the needs of the biomanufacturing and life sciences sector.



# Funding Model



**\$115M**

**infrastructure  
funding**

60% maximum CFI  
contribution

Minimum project cost: \$3M



**\$34.5M**

**Infrastructure  
Operating Fund**

IOF must be attributed to the  
projects funded through this  
competition



# Eligible Projects



Renewal/upgrades to containment level 3 and 4 facilities

CL2/2+ only when essential to the operations of the CL3/4



Renewal/upgrades to associated large-animal facilities.

Small animal (e.g. rodents, ferrets, etc.) facilities are not eligible



Construction of new CL3 facilities **only** in the case of replacing/consolidating existing capacity

Cost effectiveness upgrade vs replace must be considered



Construction of new CL4 facility on an exceptional basis





# Eligibility requirements

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Facilities must provide highly specialized equipment, services, resources, and scientific and technical personnel to support a broad range of research on human health threats

Facilities must have a management structure and user access policy in place to support use by multiple research groups

Research infrastructure expenditures and in-kind contributions must have taken place after April 19, 2021

Infrastructure funded through this competition must be located in Canada.

# Competition timeline



Call for proposals

September 21, 2021

Notice of intent

October 18, 2021

Proposals

December 7, 2021

Expert review

January – February 2022

Strategic Review Committee

March 2022

Decisions

March 22, 2022

# Two-stage application process

Step 1  
(mandatory, not reviewed)

Notice of intent

The logo for CAMS, consisting of the letters 'CAMS' above a stylized key icon, all within a red square.

Step 2

Proposal

The logo for CAMS, consisting of the letters 'CAMS' above a stylized key icon, all within a red square.



# Notice of intent

## SECTIONS

- Project information
- Plain language summary
- Research Teams
- Project description (max 4 pages)
- Collaborating institutions
- At least six suggested reviewers

## NOTE:

CAMS automatically populates the proposal with information provided in the notice of intent including:

- Project information
- Collaborating Institutions
- Research teams
- Suggested reviewers



# Proposal

## MODULES

- Project →
- Finance
- Suggested reviewers

- Project information
- Plain language summary
- Project summary (PDF Max 3 pages)
- Research teams
- Collaborating institutions
- Financial resources for operation and maintenance
- Assessment criteria (PDF)
- Project attachments



# Proposal

## MODULES

- Project
- Finance →
- Suggested reviewers

- Cost of individual items
- Construction/renovation plans (PDF), if applicable
- Contributions from eligible partners
- Infrastructure utilization
- Overview of infrastructure project funding (generated automatically)

# Page Limits

Page limits for your document depend on the amount requested from the CFI in the proposal

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Total CFI request

Maximum number of pages

**$\leq$  \$10 million**

30 pages

**$>$  \$10 million**

35 pages

# Assessment criteria

Research Excellence

Research Teams

Enhancement of the capacity to respond to emerging human health threats

Collaboration and partnerships

Sustainability

Anticipated benefits





1

## Research Excellence

The research activities enabled by the biocontainment facility and/or associated animal facility are internationally competitive and aligned with Canada's priorities. The facility has a demonstrated track record of excellence in research.



2

## Research teams

The diverse teams of researchers using the facility have the breadth of expertise to conduct the proposed research activities.



3

Enhancement of the  
capacity to respond to  
emerging human health  
threats

The requested infrastructure is needed to enhance Canada's capacity to respond to pandemics and emerging human health threats. It is appropriate for the proposed research activities.



4

## Collaborations and partnerships

The requested infrastructure will support enhanced academic collaboration with industry, not-for-profit organizations and public sector partners.



5

Sustainability

The facility will be optimally used, operated and sustained over its useful life. It adopts best practices in the management of its operations and risk mitigation including research security, cybersecurity and data management.

6

## Anticipated Benefits

The team and its partners have a well-defined plan to transfer the results of the research and technology development. Furthermore, the facility will attract and train highly qualified personnel linked to the needs of the biomanufacturing and life sciences sector.

# Project attachments

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DATA MANAGEMENT  
PLAN

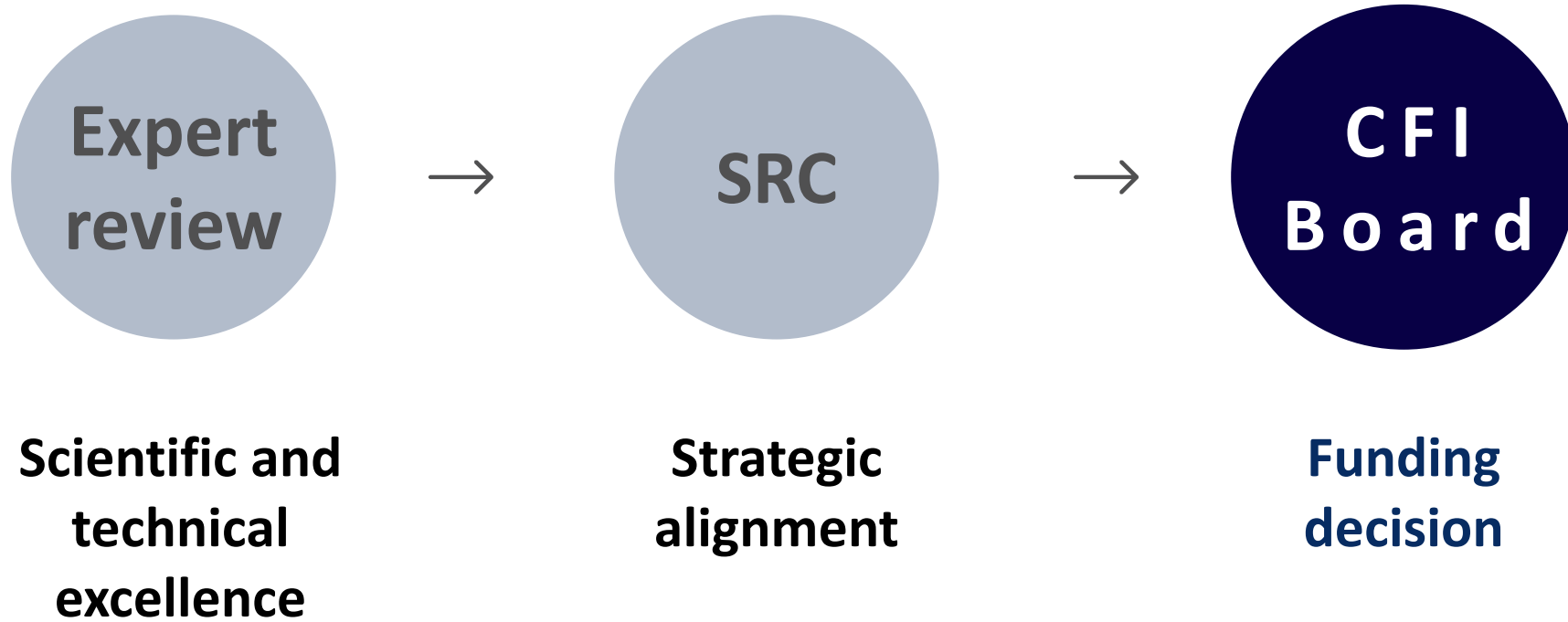


CYBERSECURITY PLAN



RESEARCH SECURITY  
PLAN

# Review process





# Strategic Review Committee



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1

Recommend projects that are in strategic alignment with the Biomanufacturing and life sciences strategy objectives as well as with other related investments

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2

Assess other benefits to Canada

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3

Recommend the amount that the CFI should award for each proposal

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Questions?

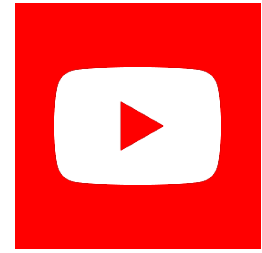
# Keep in touch



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