

: Genome Canada¹⁾

I. Genome Canada

가
가
가
1997 (Medical Research Council of Canada) Genome
Task Force . 1998 6
Genome Canada 5 2 5
. 1998 9 (National Research Council of Canada),
(Natural Science and Engineering Research Council)
(Social Science and Humanities Research Council)
Genome Canada ,
Canadian Biotechnology Strategy Task Force, Agriculture and Agri-Food Canada, Health
Canada, Environment Canada, and the Canadian Forest Service
,
1999 가 Genome Canada Task Force
,
Genome Canada
1999 5 Genome Canada 가 Martin Godbout 가 Genome
Canada
Genome Canada 1999
11 Genome Canada 가 .

II. Genome Canada

1)

①

1) Genome Canada Genome Canada: Blueprint and Principles, November 1998, Summary of Activities(1997- 1999), November 1999, Genome Canada: Business Plan, November 1999 .
Business Plan . Genome Canada ,
www.genomecanada.ca .

②

③

④

⑤ , , , , GELS (Genomics Ethical, Environmental, Legal & Societal Issues)

⑥

가

2)

①

R&D

:

가

가

, , ,

(business cluster)

, , ,

②

, , ,

:

functional

genomics, genotyping, proteomics, bioinformatics, genome mapping and sequencing

③

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, , ,

III.

1)

(Genomics)

가

(bioinformatics)

. Genomics

. Genomics

25%

Geonomcis가

가

2)

(

Canada Foundation for Innovation,CFI)

가

가

가

BRCA2

high throughput sequencing capability가

가

Myriad

가

가

①

5

가

가

가

가

가

GDP

R&D가

가

R&D

가

②

(40%)

(30%)

가

가

③

(Canadian Institutes for Health Research)
가 (National Research Councils)
(Canadian Foundation of Innovation)

가 1999 1

Genome Canada가

IV. Genome Canada

1)

Genome Canada . 6 가

(Headquater)

가 .

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Genome Canada Genome Canada , ,

. Genome Canada

(Science and Industry

Advisory Committee, SIAC)

, , 가 .

②

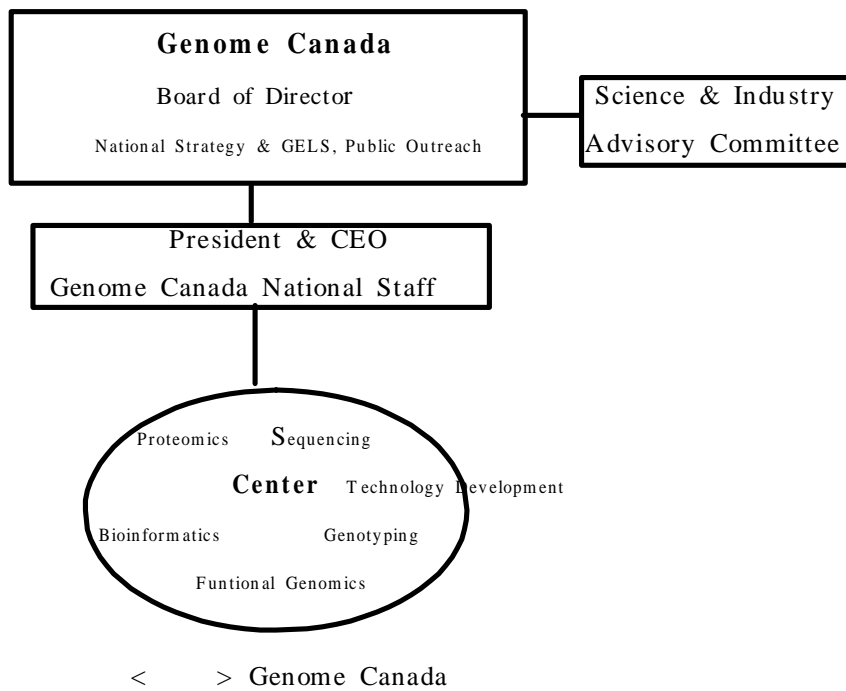
genotyping,
sequencing, proteomics, bioinformatics, functional genomics, technology development

bioinformatics 가

가 .

가

, 가



2)

Genome Canada 1 , 9
 . 20% , 3 5%
 GELS , 2.5% ,
 2 100 200

Genome Canada 가 . 가
 3
 . , 가, 가가 3
 가 (2) ,

Genome Canada .
 , , , . Genome Canada

Genome Canada .
 10 (CDN) , 1 3 (CDN) ,
 20 , 1 3 , 500 1000 , 5000
 , 5 Genomics 가 .

. Genome Canada

Genome Canada

. Genome Canada

5

9 5

5)

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2

8 10

. Genome Canada

, GELS

6)

Genome Canada가

가

가가

Genome Canada

가

Genome Canada

— , —

VI. Genome Canada

1)

6

1

Genome Canada

2)

- ① 1 : . 1 3
 . Genome Canada 가
 GELS 가 2
- ② 2 : 가 .
- ③ 3 : 가 . Genome Canada
 가 , GELS , 가 .
- ④ 4 : 2 . 가 가 가
 Genome Canada .
- ⑤ 5 : , ,
 . Genome Canada 가

VII.

1)

MIT Whitehead , 가
 2 , . 가 20% ,
 40% , 40% . 3
 , 3 , Genome Canada()
 1 .

2)

Genome Canada .
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 가 , 2
 750
 2 5 가
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 5 , , ,
 3 8 6 2 .

< 1> Genome Canda (:)

	7.5	25.0	5.0	62.5	100.0

가 . 5
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 가 가 가 가 . 3
 가 4 1
 . , , 3 7 2
 7 5 가 2 5
 (3 1 2 5 2 1 2 5)

< 2> Genome Canada 5 (:)

	large Center 1	large Center2	large Center3	small Center1	small Center2	small Center3	Genome Canada	
1	10	10	0	5	0	0	5	30
2 "	20	20	10	10	5	0	5	70
3 "	20	20	20	10	10	5	10	95
4 "	20	20	20	10	10	10	10	100
5 "	20	20	20	10	10	10	10	100