

18A: 64J-15 et seq.

LEGISLATIVE HISTORY CHECKLIST

NJSA: 18A:64J-15 et seq (Advanced Technology Center
in Bio-Tech)

LAWS OF: 1985 **CHAPTER:** 105

Bill No: A1764

Sponsor(s): Gill and others

Date Introduced: March 15, 1984

Committee: **Assembly:** Higher Education and Regulated Professions

Senate: ////

Amended during passage: Yes Substituted for S1650--(OCR)
attached. Amendments during
passage denoted by asterisks.

Date of Passage: **Assembly:** Feb. 14, 1985

Senate: Feb. 28, 1985

Date of Approval: April 8, 1985

Following statements are attached if available:

Sponsor statement: Yes

Committee statement: **Assembly** Yes

Senate No

Fiscal Note: No

Veto Message: No

Message on Signing: Yes

Following were printed:

Reports: Yes

Hearings: No

Report, referred to in statements:

974.90 New Jersey. Governor's Commission on Science and Technology.
I42 Report...December, 1983.
1983q Trenton, 1983.
(pp. 15-17)

105 85
4-8-85
[OFFICIAL COPY REPRINT]
ASSEMBLY, No. 1764

STATE OF NEW JERSEY

INTRODUCED MARCH 15, 1984

By Assemblymen GILL, FRANKS, DORIA, CHARLES, VAINIERI, CUPROWSKI, KAVANAUGH, RANIERI, GALLO, LOVEYS, MUZIANI, ZIMMER, WEIDEL, MEYER, PALAIA, Assemblywoman COOPER, Assemblymen HENDRICKSON, ROD, KOSCO, SCHUBER, FELICE, ROONEY, PENN and Assemblywoman PERUN

AN ACT establishing the Advanced Technology Center in Biotechnology and supplementing Title 18A of the New Jersey Statutes.

1 BE IT ENACTED *by the Senate and General Assembly of the State*
2 *of New Jersey:*

1 1. The Legislature finds and declares that the field of biotech-
2 nology, which applies scientific and engineering principles to the
3 processing of materials by biological agents to produce goods and
4 services, is an important and dynamic addition to the world econ-
5 omy. Progress in biotechnology has included gene splicing, mono-
6 clonal antibody technology, protein engineering, and large scale
7 plant and animal cell culture. New Jersey is by all measures a
8 major center for the health care, pharmaceutical, chemical, and
9 food processing industries, all of which now benefit from and will
10 increasingly depend upon advances in biotechnology. In recogni-
11 tion of the economic importance of biotechnology to New Jersey
12 industries, the Legislature further finds and declares that the estab-
13 lishment of an advanced technology center in biotechnology would
14 strengthen the State and serve as a stimulus for technology-based
15 industrial growth.

1 2. For the purposes of this act:

2 a. "Advanced technology center" means ***[**a program of substan-

EXPLANATION—Matter enclosed in bold-faced brackets [thus] in the above bill is not enacted and is intended to be omitted in the law.

Matter printed in italics thus is new matter.

Matter enclosed in asterisks or stars has been adopted as follows:

***—Assembly committee amendments adopted January 28, 1985.**

3 tial and concentrated financial support that is provided to] *one
 4 or more* outstanding programs or departments at New Jersey's
 5 public and private institutions of higher education *which are pro-
 6 vided substantial and concentrated financial support* to promote
 6A their development into national level bases for innovative tech-
 6B nology research.

7 b. "Business incubation facilities" means low cost, short-term
 8 occupancy, rental spaces wherein assistance *[,] is granted to a tar-
 9 geted network of new companies employing selected technologies
 10 congruent with the strengths of the State's public and private in-
 11 stitutions of higher education.

12 c. "Commission" means the Governor's Commission on Science
 13 and Technology *[, or the permanent New Jersey Commission on
 14 Science and Technology as enacted into law pursuant to P. L. ...,
 15 c. ... (C. ...) (now pending before the Legislature as
 16 Assembly Bill No. 1767 of 1984) which was established as the suc-
 17 cessor to the Governor's Commission on Science and Technology]*
 18 as created by Executive Order No. 12 of 1982 *or its successor
 18A which is established by the Legislature*.

19 d. "Innovation partnership grants" means matching grants to
 20 academic researchers performing applied research in emerging
 21 technologies at any of the State's public and private institutions
 22 of higher education which are of strategic importance to the New
 23 Jersey economy under regulations adopted by the commission pur-
 24 suant to the "Administrative Procedure Act," P. L. 1968, c. 410
 25 (C. 52:14B-1 et seq.).

26 e. "Private institutions of higher education" means independent
 27 colleges *[,] *or* universities *[, or institutes]* incorporated and
 28 located in New Jersey, which by virtue of law or character or
 29 license, are nonprofit educational institutions authorized to grant
 30 academic degrees and which provide a level of education which is
 31 equivalent to the education provided by the State's public institu-
 32 tions of higher education as attested by the receipt of and continua-
 33 tion of *[, licensure by the New Jersey Board of Higher Education]*
 33A *regional accreditation by the Middle States Association of Col-
 33B leges and Schools, and which are eligible to receive State aid under
 33C the provisions of the Constitution of the United States and the
 33D Constitution of the State of New Jersey, but does not include any
 33E educational institution dedicated primarily to the education or
 33F training of ministers, priests, rabbis or other professional persons
 33G in the field of religion*.

34 f. "Public institutions of higher education" means Rutgers, The
 35 State University, the State colleges, the New Jersey Institute of
 36 Technology, the University of Medicine and Dentistry of New

37 Jersey, the county colleges and any other public university or col-
 38 lege now or hereafter established or authorized by law.

39 g. "Technology extension services" means programs that not
 40 only accelerate the application and transfer of technological in-
 41 novations by the State's public and private institutions of higher
 42 education to existing industry, but also adapt these innovations to
 43 the requirements of individual business operations.

1 3. There is established the Advanced Technology Center in Bio-
 2 technology (hereinafter referred to as the center) under the joint
 3 governance of Rutgers, The State University and the University
 4 of Medicine and Dentistry of New Jersey and with the participa-
 5 tion of other public and private institutions of higher education
 6 and faculties who may be considered for participation in the work
 7 of the center in the future by the commission. The center shall be
 8 composed of various units at locations designated by the partici-
 9 pating institutions, with the approval of the commission.

1 4. As soon as may be practicable the ***[participating]*** **govern-*
 2 *ing** institutions, in consultation with and under regulations adopted
 3 by the commission, shall appoint a director of the center.

1 5. The ***[participating]*** **governing** institutions **through the*
 1A *director** shall:

- 2 a. Administer and operate the center;
- 3 b. Appoint, remove and transfer personnel;
- 4 c. Establish programs in the center to promote biotechnology re-
 5 search and biotechnology industries; and
- 6 d. ***[Do all other acts and things]*** **Take all action** necessary
 7 and proper for the ***[purposes]*** **operation** of the center.

1 6. ***[Annual budget requests for the center will be submitted to**
 2 **and approved by the commission.]*** **The center shall submit its*
 3 *annual budget request to the commission for approval.**

1 7. The center where appropriate, and in consultation with the
 2 commission, shall:

- 3 a. Make recommendations to the commission concerning innova-
 4 tion partnership grants;
- 5 b. Support and promote existing programs in biotechnology re-
 6 search and industries and **ensure that** all sectors of the private
 7 industry ***[shall]*** have ready access to the personnel and pro-
 7A grams of the center ***[.]* *,***
- 8 c. Make low-cost business incubation facilities available to new
 9 industry working in the field of biotechnology; and
- 10 d. Promote technological extension services to businesses en-
 11 gaged in biotechnology related applications.

1 8. This act shall take effect on the 60th day following enactment.

3 governance of Rutgers, The State University and the University
 4 of Medicine and Dentistry of New Jersey and with the participa-
 5 tion of other public and private institutions of higher education
 6 and faculties who may be considered for participation in the work
 7 of the center in the future by the commission. The center shall be
 8 composed of various units at locations designated by the partici-
 9 pating institutions, with the approval of the commission.

1 4. As soon as may be practicable the participating institutions,
 2 in consultation with and under regulations adopted by the com-
 3 mission, shall appoint a director of the center.

1 5. The participating institutions shall:

2 a. Administer and operate the center;

3 b. Appoint, remove and transfer personnel;

4 c. Establish programs in the center to promote biotechnology re-
 5 search and biotechnology industries; and

6 d. Do all other acts and things necessary and proper for the
 7 purposes of the center.

1 6. Annual budget requests for the center will be submitted to and
 2 approved by the commission.

1 7. The center where appropriate, and in consultation with the
 2 commission, shall:

3 a. Make recommendations to the commission concerning innova-
 4 tion partnership grants;

5 b. Support and promote existing programs in biotechnology re-
 6 search and industries and all sectors of private industry shall have
 7 ready access to the personnel and programs of the center.

8 c. Make low-cost business incubation facilities available to new
 9 industry working in the field of biotechnology; and

10 d. Promote technological extension services to businesses en-
 11 gaged in biotechnology related applications.

1 8. This act shall take effect on the 60th day following enactment.

STATEMENT

This bill establishes the Advanced Technology Center in Bio-
 technology on the adjoining campuses and under the joint gov-
 ernance of Rutgers, The State University, and the University of
 Medicine and Dentistry of New Jersey. The purpose of establish-
 ing this center is to promote the development of biotechnology
 research, and to stimulate additional job opportunities and new
 business in this State. This bill implements Recommendation 1
 of the report of the Governor's Commission on Science and Tech-
 nology.

A1764(1985)

[OFFICIAL COPY REPRINT]

SENATE, No. 1650

STATE OF NEW JERSEY

INTRODUCED MAY 14, 1984

By Senators EWING and LYNCH

Referred to Committee on Education

AN ACT ***[to establish]*** **establishing** the Advanced Technology Center in Biotechnology and supplementing Title 18A of the New Jersey Statutes.

1 BE IT ENACTED *by the Senate and General Assembly of the State*
2 *of New Jersey:*

1 1. The Legislature finds and declares that **the field of** biotech-
2 nology, ***[the application of]*** **which applies** scientific and
3 engineering principles to the processing of materials by biological
4 agents to produce goods and services, is an important and dynamic
5 ***[field]*** **addition** to the world economy. Progress in biotech-
6 nology has included gene splicing, monoclonal antibody technology,
7 protein engineering*,* and large scale plant and animal cell culture.
8 New Jersey is by all measures a major center for the health care,
9 pharmaceutical, chemical*,* and food processing industries, all of
10 which now benefit from and will increasingly depend upon advances
11 in biotechnology. In recognition of the economic importance of
12 biotechnology to New Jersey industries, the Legislature **further**
13 finds **and declares** that the establishment of an advanced tech-
14 nology center in biotechnology would strengthen the State and
15 serve as a stimulus for technology-based industrial growth.

1 2. For the purposes of this act:

2 ***[“Commission”** means the Governor’s Commission on Science
3 and Technology or the permanent New Jersey Commission on
4 Science and Technology as enacted into law pursuant to P. L. ,
5 c. (C.) (now pending before the Legislature as
6 Assembly Bill No. 1767 of 1984) which was established as the

EXPLANATION—Matter enclosed in bold-faced brackets [thus] in the above bill is not enacted and is intended to be omitted in the law.

Matter printed in italics thus is new matter.

Matter enclosed in asterisks or stars has been adopted as follows:

***—Senate committee amendments adopted February 4, 1985.**

7 successor to the Governor's Commission on Science and Technology
8 as created by Executive Order No. 12 of 1982.】*

9 *a.* "Advanced *【Technology Center】" refers to a program of
10 substantial and concentrated financial support that is provided to】*
11 *"technology center" means on or more* outstanding programs or
12 departments at New Jersey's public and private institutions of
13 higher education *which are provided substantial and concentrated
14 financial support* to promote their development into national level
15 bases for innovative technology research.

16 *b. "Business incubation facilities" means low cost, short-term
17 occupancy, rental paces wherein assistance is granted to a targeted
18 network of new companies employing selected technologies con-
19 gruent with the strengths of the State's public and private insti-
20 tutions of higher education.

21 c. "Commission" means the Governor's Commission on Science
22 and Technology as created by Executive Order No. 12 of 1982 or
23 its successor which is established by the Legislature.

24 d. "Innovation partnership grants" means matching grants to
25 academic researchers performing applied research in emerging
26 technologies at any of the State's public and private institutions
27 of higher education which are of strategic importance to the New
28 Jersey economy under regulations adopted by the commission
29 pursuant to the "Administrative Procedure Act," P. L. 1968, c. 410
30 (C. 52:14B-1 et seq.).

31 e. "Private institutions of higher education" means independent
32 colleges or universities incorporated and located in New Jersey,
33 which by virtue of law or character or license, are nonprofit edu-
34 cational institutions authorized to grant academic degrees and
35 which provide a level of education which is equivalent to the edu-
36 cation provided by the State's public institutions of higher educa-
37 tion as attested by the receipt of and continuation of regional
38 accreditation by the Middle States Association of Colleges and
39 Schools, and which are eligible to receive State aid under the
40 provisions of the Constitution of the United States and the Con-
41 stitution of the State of New Jersey, but does not include any
42 educational institution dedicated primarily to the education or
43 training of ministers, priests, rabbis or other professional persons
44 in the field of religion.*

45 *f.* "Public institutions of higher education" means Rutgers, The
46 State University, the State colleges, the New Jersey Institute of
47 Technology, the University of Medicine and Dentistry of New
48 Jersey, the county colleges and any other public university or
49 college now or hereafter established or authorized by law.

50 *["Private institution of higher education" means independent
 51 colleges, universities or institutes incorporated and located in New
 52 Jersey, which by virtue of law or character or license, are nonprofit
 53 educational institutions authorized to grant academic degrees and
 54 which provide a level of education which is equivalent to the educa-
 55 tion provided by the State's public institutions of higher education
 55A as attested by the receipt of and continuation of licensure by the
 55B New Jersey Board of Higher Education.

56 "Innovation partnership grants" means matching grants to aca-
 57 demic researchers performing applied research in emerging tech-
 58 nologies at the State's public and private institutions of higher
 59 education which are of strategic importance to the New Jersey
 60 economy under regulations adopted by the commission pursuant to
 61 the "Administrative Procedure Act," P. L. 1968, c. 410 (C. 52:14B-1
 62 et seq.).]*

63 *g.* "Technology *["Extension Services]" *extension services*"
 64 means programs *["to]" *that not only* accelerate the application
 65 and transfer of technological *["innovation]" *innovations* by the
 66 State's public and private institutions of higher education to exist-
 67 ing industry, *["specifically to work with the State's businesses to]"
 68 *but also* adapt these innovations to the requirements of indi-
 69 vidual business operations.

70 *["Business Incubation Facilities" means the provision of space
 71 and technical assistance to a targeted network of developmental
 72 facilities, consisting of low cost space, for short-term occupancy, to
 73 new companies employing selected technologies congruent with the
 74 strengths of the State's public and private institutions of higher
 75 education.]*

1 3. There is established the Advanced Technology Center in Bio-
 2 technology (hereafter referred to as the center) under the joint
 3 governance of Rutgers, The State University and the University
 4 of Medicine and Dentistry of New Jersey and with the participa-
 5 tion of other public and private institutions of higher education and
 6 faculties who may be considered for participation in the work of
 7 the center in the future *by the commission*. The center shall be
 8 composed of various units at locations designated by the partici-
 9 pating institutions, with the approval of the commission.

1 4. As soon as may be practicable the *["participating institution
 2 or]" *governing* institutions, in consultation with *and under*
 3 *regulations adopted by* the commission, shall appoint a director
 4 of the center.

1 5. The *["participating institution or]" *governing* institutions
 2 *through the director* shall:

- 3 a. **【administer】** *Administer* and operate the center;
- 4 b. **【appoint】** *Appoint*, remove and transfer personnel;
- 5 c. **【establish】** *Establish* programs in the center to promote
6 biotechnology research and biotechnology industries; and
- 7 d. **【do all other acts and things】** *Take all action* necessary
8 and proper for the **【purposes】** *operation* of the center.
- 1 6. **【Annual budget requests for the center will be submitted to
2 and approved by the commission.】** *The center shall submit its
3 annual budget request to the commission for approval.*
- 1 7. The center where appropriate, and in consultation with the
2 commission, shall:
- 3 a. **【make】** *Make* recommendations to the commission con-
4 cerning innovation partnership grants;
- 5 b. **【support】** *Support* and promote existing programs in
6 biotechnology research and industries and *ensure that* all sectors
7 of private industry **【shall】** have ready access to the personnel
8 and programs of the center;
- 9 c. **【make】** *Make* low-cost business incubation facilities avail-
10 able to new industry working in the field of biotechnology; and
- 11 d. **【promote technology】** *Promote technological* extension
12 services to businesses engaged in biotechnology related appli-
13 cations.
- 1 8. This act shall take effect on the 60th day following enactment.
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ASSEMBLY HIGHER EDUCATION AND REGULATED
PROFESSIONS COMMITTEE

STATEMENT TO

ASSEMBLY, No. 1764

with Assembly committee amendments

STATE OF NEW JERSEY

DATED: JANUARY 28, 1985

SUMMARY OF THE BILL:

This bill provides for the establishment of an Advanced Technology Center in Biotechnology. The center is to be under the joint governance of Rutgers University and the University of Medicine and Dentistry of New Jersey (UMDNJ). Other public and private institutions of higher education are to participate in the work of the center as designated by the Governor's Commission on Science and Technology or its successor.

The work of the center is to include the following:

1. Establish programs in the center to promote biotechnology research and industries;
2. Support and promote existing programs in biotechnology and ensure that all sectors of private industry have access to the personnel and programs of the center;
3. Make low-cost business incubation facilities available to new industry working in the field of biotechnology; and,
4. Promote technology extension services to business engaged in biotechnology related applications.

FOR YOUR INFORMATION:

1. Biotechnology is the application of scientific and engineering principles to the processing of materials by biological agents to produce goods and services.

2. The recommendation for the establishment of an Advanced Technology Center in Biotechnology was contained in the December, 1983 report of the Governor's Commission on Science and Technology.

The commission found that New Jersey is a major center for the health care, pharmaceutical, chemical and food processing industries, all of which depend upon advances in biotechnology. Unfortunately, however, the State's share of national employment in biotechnology related industries has declined. The commission concluded that the establishment of an Advanced Technology Center in Biotechnology could strengthen the capacities of Rutgers University and UMDNJ and serve as a stimulus for technology based industrial growth.

The committee amendments make technical changes necessary to clarify the language of the bill.

The committee favorably reports this bill with amendments.

The Center's activities will include research in new techniques for dealing with hazardous substances, and the promotion of technology extension services to businesses engaged in hazardous substance management. It is envisioned that the Center will also serve as a repository for existing knowledge in the field and will disseminate new information and guidance as it becomes available.

A-1763, sponsored by the late Assemblyman Edward K. Gill, R-Union, establishes the Advanced Technology Center in Food Technology. That Center, with \$6 million in capital funding from the bond issue, will be located at Cook College of Rutgers.

Food technology studies will encompass the chemical, biological and engineering aspects of food production, processing, packaging and storage. The Center will engage in the development of new food products and better methods of processing. Technology extension services will be provided to businesses engaged in food science and related fields.

A-1764, also sponsored by Assemblyman Gill, establishes the Advanced Technology Center in Biotechnology, jointly governed by Rutgers and UMDNJ. It will receive \$20 million in capital funding from the bond issue.

Research at the Center will include processing of biomaterials, gene splicing and the production of monoclonal antibodies. The result of this research are expected to have major applications in the pharmaceutical and health care industries.

A-1765, sponsored by Assemblyman Doria, establishes the Advanced Technology Center in Industrial Ceramics. Located at Rutgers University, the Center will receive \$9 million in capital funding from the bond issue. Industrial ceramics are characterized by durability, light weight and high strength and have a wide variety of applications in industry, aeronautics and space technology. A second aspect of the Center will focus on fiber optics materials research.

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