

# **Appendix B:** Legislation and Other Government Documents

**AGREEMENT**  
**BETWEEN**  
**THE GOVERNMENT OF THE COMMONWEALTH OF**  
**MASSACHUSETTS**  
**AND**  
**THE GOVERNMENT OF THE STATE OF ISRAEL**  
**ON BILATERAL COOPERATION IN INDUSTRIAL**  
**RESEARCH AND DEVELOPMENT**

**Whereas**, the Government of the Commonwealth of Massachusetts (hereinafter referred to as "Massachusetts") and the Government of the State of Israel (hereinafter referred to as "Israel"), hereinafter referred to as the "Parties";

**DESIRING** to develop and strengthen economic, industrial, technological and commercial cooperation between the State of Massachusetts and the State of Israel;

**CONSIDERING** the mutual interest in making progress in the fields of industrial and technological research and development (hereinafter referred to as "R&D") and the resulting advantages for both Parties;

**RECOGNIZING** the challenges of stimulating innovation and economic growth are of mutual concern to both Parties;

**DESIRING** to enhance their industrial competitiveness through cooperation in Industrial R&D and to develop and strengthen economic and commercial cooperation between them;

**RESOLVING** to undertake a sustained effort to promote, facilitate and support joint Industrial R&D projects, between businesses, corporations or other entities (hereinafter referred to as the "Entity") from the two countries;

Have reached the following Agreement:

#### **Article I - Scope**

1. The Parties determine that the objectives of this Agreement are:
  - (a) To promote the activities of their respective Industrial sectors to intensify bilateral Industrial R&D cooperation;
  - (b) To facilitate the identification of specific projects, partnerships or collaborations between Entities from the Commonwealth of Massachusetts and from the State of Israel that could lead to Industrial R&D cooperation;
  - (c) To coordinate and focus suitable government resources and

programs to support industrial cooperation and commercial exploitation of Industrial R&D projects results;

- (d) To establish a framework for support under which each of the Parties shall support jointly approved Industrial R&D cooperation projects between Entities from the two countries leading to commercialization in the global market.

2. The implementation of this Agreement and any activity hereunder shall be in accordance with the respective applicable laws, regulations, rules, procedures and mechanisms of each Party.

### **Article II - Definition**

For the purpose of this Agreement, Industrial R&D means, inter alia, research, development and demonstration activities intended to develop new products or processes to be commercialized in the global market.

### **Article III - Cooperating Authorities**

1. The Massachusetts International Trade Office (hereinafter referred to as "MITO") and the Ministry of Industry, Trade and Labor of the State of Israel (hereinafter referred to as "MOITAL") shall be in charge of the implementation of this Agreement and shall designate Cooperating Authorities for the purpose of implementing this Agreement.

2. MITO on behalf of Massachusetts and the Office of the Chief Scientist of MOITAL (hereinafter referred to as the "OCS"), on behalf of Israel, shall be the Cooperating Authorities for implementing, promoting and administering this Agreement. Each Party shall bear its respective costs for promoting, implementing and administering this Agreement such as traveling expenses, organization of seminars and publications. In addition, MITO and OCS may identify and empower, where appropriate, additional government entities or in the case of MITO also quasi-governmental entities, to execute the goals of this agreement.

#### **Article IV - R&D Projects**

1. The Parties, within their competence and according to their respective applicable laws, regulations, rules, procedures and mechanisms, subject to the availability of funds, shall facilitate, support and encourage cooperation projects in the field of Industrial R&D undertaken by Entities from the Commonwealth of Massachusetts and from the State of Israel, for joint development and subsequent joint management and marketing of products or processes based on new innovative technologies to be commercialized in the global market (hereinafter referred to as the "Projects").

2. Each Entity which is a partner to a Project will be subject to the provisions of the applicable respective laws, regulations, rules, procedures and mechanisms of its respective state with respect to assistance and funding of R&D provided by its own government, including the level of support and the terms and conditions under which that support may be provided, and if applicable, the obligation to pay royalties.

3. The facilitation and stimulation of the cooperation Projects, may comprise, inter alia, the following forms and methods:

(a) Organization of meetings for Entities from the Commonwealth of Massachusetts and from the State of Israel to jointly assess cooperation opportunities;

(b) Performance of any other activities to promote possibilities for cooperation between Entities from the Commonwealth of Massachusetts and from the State of Israel.

#### **Article V - Fair and Equitable Treatment**

Subject to their applicable respective laws, regulations, rules, procedures and mechanisms, each Party shall accord fair and equitable treatment to the individuals, government agencies and other Entities of the other Party engaged in the pursuit of activities under this Agreement.

## **Article VI - Disclosure of Information**

1. Each Party commits itself, subject to its respective laws, regulations, rules, procedures and mechanisms not to transmit, without written approval of the other Party, information concerning the results obtained from the cooperative programs for Industrial R&D covered under this Agreement to a third person, organization, or to any other country or state
2. Each Party shall notify the other immediately when it might be compelled by law or court order to disclose information or documents relating to this Agreement which would otherwise be subject to confidentiality.
3. The Party required to disclose shall, in any event, use its best efforts, to ensure that the person obtaining disclosure of the information in these circumstances protects the confidentiality at all times and observes the terms of this Agreement.

## **Article VII - Intellectual Property Rights (IPR)**

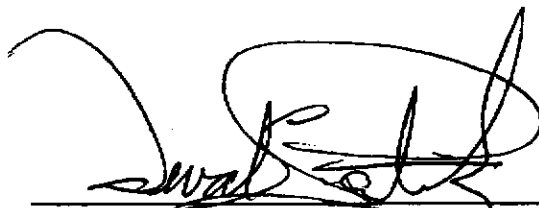
1. The partners to Projects supported under this Agreement shall be required to submit to the Parties evidence of contractual arrangements between them relating to the performance of the Project; commercialization of the Project's results; royalties and intellectual property rights, in particular:
  - (a) The ownership and use of know-how and intellectual property owned by the partners to the Project prior to the Project; and
  - (b) Arrangements for the ownership and use of know-how and intellectual property to be created in the course of the Project.
2. Notwithstanding the provisions of paragraph 1 above, it shall be the responsibility of the partners to Projects supported under this Agreement to safeguard their own interests.
3. Scientific and technological information of a non-proprietary nature arising from the cooperative activities under this Agreement may be made available to the public through customary channels.

**Article VIII - Final Provisions**

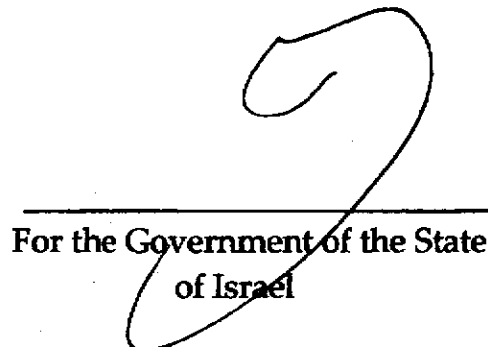
1. Each Party shall notify the other Party, in writing, through diplomatic channels, of the completion of internal legal procedures required for bringing this Agreement into force. This Agreement shall enter into force on the date of the later notification.
2. This Agreement shall remain in force until either Party terminates it. Either Party may terminate this Agreement by written notification to the other Party, through diplomatic channels. The Agreement shall cease to be in force six months after the date of such notification.
3. This Agreement may be amended, in writing, by mutual agreement of the Parties. Any such amendment shall enter into force in accordance with the procedure set forth in paragraph (1) of this Article.
4. The amendment or termination of this Agreement shall not affect the validity of arrangements and contracts already concluded.
5. This Agreement shall not affect the present and future rights or obligations of the Parties arising from other international agreements and treaties.

In witness whereof, the undersigned being duly authorized, have signed this Agreement.

Done at Jerusalem on the 10 day of March 10 2011, corresponding to the 4 day of Adar Bet 5771, in the Hebrew calendar, in duplicate, each in the English and the Hebrew languages, both texts being equally authentic.



For the Government of the  
Commonwealth of Massachusetts



For the Government of the State  
of Israel



<b>Acts</b>
<b>2008</b>
<b>CHAPTER 130</b> AN ACT PROVIDING FOR THE INVESTMENT IN AND EXPANSION OF THE LIFE SCIENCES INDUSTRY IN THE COMMONWEALTH.

*Whereas*, The deferred operation of this act would tend to defeat its purpose, which is to provide forthwith for the immediate investment in and expansion of the life sciences in the commonwealth, therefore it is hereby declared to be an emergency law, necessary for the immediate preservation of the public convenience.

*Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same as follows:*

**SECTION 1.** To provide for supplementing certain items in the general appropriation act and other appropriation acts for fiscal year 2008, the sums set forth in section 2 are hereby appropriated from the General Fund unless specifically designated otherwise in this act or in those appropriation acts, for the several purposes and subject to the conditions specified in this act or in those appropriation acts, and subject to the laws regulating the disbursement of public funds for the fiscal year ending June 30, 2008; provided, however that notwithstanding any general or special law to the contrary, appropriations made in this act shall not revert and shall be available for expenditure until June 30, 2009. These sums shall be in addition to any amounts previously appropriated and made available for the purposes of those items.

**NO SECTION 2.**

**SECTION 2A.**

**EXECUTIVE OFFICE OF ADMINISTRATION AND FINANCE.**

*Small Business Capital Access Program.*

1599-7107 For a capital access reserve to provide loan guarantees to small businesses pursuant to section 57 of chapter 23A of the General Laws ..... \$5,000,000

**SECTION 2B.** To provide for a program of infrastructure development, improvements and various capital investments, the sums set forth in this section for the several purposes and subject to the conditions specified in this act, are hereby made available, subject to the laws regulating the disbursement of public funds and approval thereof.

**EXECUTIVE OFFICE OF HOUSING AND ECONOMIC DEVELOPMENT.**

*Massachusetts Life Sciences Center.*

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7002-0015 For the Massachusetts Life Sciences Investment Fund established by section 6 of chapter 23I of the General Laws; provided, however, that not less than \$12,900,000 shall be expended for and used to assist in water and waste water infrastructure improvements for the proposed cell culture manufacturing facility and purification plant containing office and lab facilities in the town of Framingham; provided, further, that not less than \$12,600,000 shall be expended for the construction of supporting infrastructure, comprised of local arterial and connector roads for the I-93 interchange in the towns of Andover, Wilmington and Tewksbury; provided, further, that not less than \$6,500,000 shall be expended for the design, construction and development for a life science incubator building at the William Stanley Business Park in the city of Pittsfield; provided, further, that not less than \$10,000,000 shall be expended for a new nano and biomanufacturing facility at the University of Massachusetts at Lowell; provided, further, that \$5,500,000 shall be appropriated to the Baystate Medical Center for the purpose of executing a lease agreement with the Pioneer Valley Life Sciences Institute in the city of Springfield for costs associated with the capital expansion of a life sciences incubator; provided, further, that not less than \$1,100,000 shall be expended for the purchase and conversion of 3 vehicles into mobile science laboratories to support biotechnology education initiatives of the Massachusetts Academy for Life Sciences established by subsection (c) of section 2MMM of chapter 29 of the General Laws; provided, further, that said mobile science laboratories shall advance the goals of the Massachusetts Academy for Life Sciences; provided, further, that funds for those purposes shall be provided through a contract with the Massachusetts Biotechnology Education Foundation to provide grants, in consultation with the board of higher education, to public and private institutions of higher learning to purchase and convert vehicles into mobile science laboratories; provided, further, that each vehicle shall be fueled with an alternative fuel, as defined in 42 U.S.C. section 13211; provided, further, that amounts expended shall include the cost of vehicles, equipment, furniture and other costs associated with the conversion of the vehicles into mobile science laboratories; provided, further, that all 3 mobile science laboratories shall be owned and operated by each participating institution of higher learning and assigned to a specific region of the commonwealth, as designated by the Massachusetts Academy for Life Sciences, in consultation with each institution of higher learning; provided, further, that the designated regions shall not overlap; provided, further, that not less than \$9,500,000 shall be expended for construction and capital improvements at the Tufts University Cummings School of Veterinary Medicine New England Regional Biosafety Laboratory to improve public health, protect public safety, improve science education and stimulate economic development by providing the opportunity to translate laboratory discoveries into viable vaccines, therapies and cures for emerging infectious diseases and bioterrorist threats; provided, further, that not less than \$10,000,000 shall be expended for construction, renovations and infrastructure improvements for the Marine Biological Laboratory located in Woods Hole; provided, further, that said Marine Biological Laboratory shall collaborate with the Regional Technology Development Corporation of Cape Cod and the University of Massachusetts at Dartmouth to create and support a Center for Regenerative Biology and Medicine located at said Marine Biological Laboratory to develop commercial marine technology, provide research and development for life sciences including, but not limited to, marine-based stem cell research, and expand life science and marine technology education; provided, further, that not less than \$5,000,000 shall be expended for

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the design, construction, development and related infrastructure improvements for a regional incubation center for life science initiatives to be located in the city of New Bedford and operated in conjunction with the University of Massachusetts at Dartmouth and Bristol Community College; provided, further, that not less than \$5,000,000 shall be expended for the design, construction, development and related infrastructure improvements for a life sciences center which shall be located at the former Paul A. Dever State School in the city of Taunton and managed by a board of directors consisting of 13 members: 1 of whom shall be the chancellor of the University of Massachusetts at Dartmouth or his designee, 1 of whom shall be the president of Bridgewater State College or his designee, 1 of whom shall be the president of the Massachusetts Maritime Academy or his designee, 1 of whom shall be the president of Massasoit Community College or his designee, 1 of whom shall be the president of Cape Cod Community College or his designee, 1 of whom shall be the president of Bristol Community College or his designee, 1 of whom shall be the president of Wheaton College or his designee, 1 of whom shall be the commissioner of mental retardation or his designee, 1 of whom shall be the president of the Massachusetts Federation of Teachers or his designee, 1 of whom shall be the president of the Massachusetts Teachers Association or his designee, 1 of whom shall be the president of the Massachusetts AFL-CIO or his designee, 1 of whom shall be the president of the Taunton Area Chamber of Commerce or his designee, and 1 of whom shall be the director of Southeastern Regional Planning and Economic District or his designee; provided, further, that the life sciences center shall include, but not be limited to, an education and training facility and a laboratory research facility with state-of-the-art equipment offering research and development facilities for collaboration with industry partners; provided, further, that not less than \$10,000,000 shall be deposited in the Massachusetts Small Business Matching Grant Fund established in section 9 of said chapter 23I of the General Laws; provided, further, that not less than \$5,000,000 shall be deposited in the Massachusetts Life Sciences Education Fund established in section 10 of said chapter 23I of the General Laws; provided, further, that not less than \$90,000,000 shall be expended for the design, construction, development and related infrastructure improvements for an advanced therapeutics cluster to be constructed at the University of Massachusetts Medical School in Worcester, which shall be named the Albert "Albie" Sherman Center, and shall include a RNAi institute, a stem cell biology cluster, cord blood bank and a gene therapy cluster; provided, however, that said funds shall not be used for faculty salaries; provided, further, that not less than \$95,000,000 shall be expended for the design, construction, development and related infrastructure improvements of a life science laboratory research center complex including a laboratory research facility with state-of-the-art equipment offering research and development facilities for collaboration with industry partners to develop methods and technologies that may be translated into new commercial services and products at the University of Massachusetts at Amherst; provided, however, that said funds shall not be used for faculty salaries; provided, further, that not less than \$10,000,000 shall be expended for the purchase of state-of-the-art equipment, renovations and related expenses to support the Center for Personalized Cancer Therapy at the University of Massachusetts at Boston, a collaboration of the University of Massachusetts at Boston and the Dana-Farber Harvard Cancer Center; provided, however, that said funds shall not be used for faculty salaries; provided, further, that funds

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appropriated for the design, construction, development and related infrastructure improvements for an advanced therapeutics cluster to be constructed at the University of Massachusetts Medical School in Worcester, for the design, construction, development and related infrastructure improvements of a life science laboratory research center complex at the University of Massachusetts at Amherst, for the design, construction, development and related infrastructure improvements for a nano and biomanufacturing facility at the University of Massachusetts at Lowell and for the renovations and related expenses for the Center for Personalized Cancer Therapy at University of Massachusetts at Boston shall be transferred to the University of Massachusetts Building Authority for these infrastructure improvements and design and construction; provided, further, that no funds shall be transferred from this item for a phase of construction until the secretary of administration and finance certifies in writing to the board of the Massachusetts Life Sciences Center established by section 3 of said chapter 23I of the General Laws and to the house and senate committees on ways and means that all sources of funding for that phase of the facility have been committed and are available as necessary for commencement of design and construction; provided, further, that said written certification shall include copies of all business plans, letters of financial commitment and other documentation as said secretary and said board deem necessary to certify that all other sources of funding have been secured; provided, further, that the University of Massachusetts Building Authority shall submit to the clerks of the house of representatives and the senate a report which shall include the following: (1) a detailed list of all private donors and amounts donated for each facility, (2) a plan for design, construction, operation and maintenance and all associated costs and revenues of the facility, including the projected timeline for the completion of all phases of said projects, and (3) a description of proposed title to any and all assets associated with each facility; provided, further, that said secretary and said board shall not expend any funds until such report is filed with the clerks of the house and senate who shall forward the same to the house and senate committees on ways and means; provided, further, that notwithstanding any general or special law to the contrary, in the construction and financing of said nano and biomanufacturing facility, said advanced therapeutics cluster, said life science laboratory research center complex and said Center for Personalized Cancer Therapy, said authority may use an alternative method for procurement of design and construction including, but not limited to, sequential construction management, turnkey, design and build procurement and the phasing of such procurement including, but not limited to, approval of design and construction stages separate from combined phases; provided, further, that said building authority shall require the assurance of labor harmony during all phases of development, including construction, reconstruction and capital and routine maintenance and shall provide adequate remedies to address the failure to maintain labor harmony which shall include, but not be limited to, assessment of liquidated damages and contract termination; provided, further, that the payment of prevailing wages, pursuant to sections 26 to 27F, inclusive, of chapter 149 of the General Laws, shall be required for all phases of said projects; and provided further, that not less than \$11,400,000 shall be expended as a grant for the acquisition of land pursuant to section 37 of this act to the University of Massachusetts at Dartmouth..... \$500,000,000

**SECTION 3.** Chapter 23I of the General Laws is hereby amended by striking out section 2, as

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appearing in section 24 of chapter 123 of the acts of 2006, and inserting in place thereof the following section:-

Section 2. As used in this chapter, the following words shall, unless the context clearly requires otherwise, have the following meanings:-

“Affiliate”, any business which directly or indirectly controls or is controlled by or is under direct or indirect common control of another business including, but not limited to, any business with which a business is merged or consolidated, or which purchases all or substantially all of the assets of a business.

“Board”, the board of directors of the Massachusetts Life Sciences Center.

“Center”, the Massachusetts Life Sciences Center established by section 3.

“Certification proposal”, a written proposal submitted by a life sciences company for approval as a certified life sciences company pursuant to section 5.

“Certified life sciences company”, a company that has been certified by the center for participation in the commonwealth life sciences investment program and the life sciences tax incentive program, established by section 5.

“Company”, a business corporation, partnership, firm, unincorporated association or other entity engaged or proposing to engage in economic activity within the commonwealth, and any affiliate thereof, which is, or the members of which are, subject to taxation under chapter 62, 63, 64H or 64I.

“Department”, the department of revenue established pursuant to section 1 of chapter 14.

“Eligible new job”, a new job that shall not replace an existing job in the commonwealth and which may be a retained job; provided, however, that “eligible new job” may be further defined by rules, regulations or guidelines promulgated by the center pursuant to section 5; provided further, that an “eligible new job” shall be deemed to have been created in the commonwealth on the first day for which Massachusetts personal income tax withholding is required in connection with the compensation paid to an employee of a life sciences company or the first day for which Massachusetts estimated tax payments are payable by a partner of a partnership constituting a life sciences company.

“Enterprise”, a small business, as defined in chapters 23A or 40F, which has its principal place of business in the commonwealth and is, or proposes to be, engaged in research and development or manufacturing in the life sciences industry.

“Equity investment”, (a) a share in a life sciences company certified pursuant to section 5, whether or not transferable or denominated stock, or similar security; (b) interest of a limited partner in a limited partnership; or (c) warrant or right, other than a right to convert, to purchase, sell or subscribe to a share, security or interest of a kind specified in clauses (a) or (b); provided, however, that when making an equity investment in an enterprise pursuant to section 7, the center shall receive not less than 3 per cent of the equity in said enterprise.

“Independent research institution”, a nonprofit research organization that holds tax-exempt status granted under section 501(c)(3) of the Internal Revenue Code and shall be organized and operated exclusively for scientific or educational purposes; provided, however, that “independent research

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institution” shall not mean a hospital, college, university or private foundation.

“Life sciences”, advanced and applied sciences that expand the understanding of human physiology and have the potential to lead to medical advances or therapeutic applications including, but not limited to, agricultural biotechnology, biogenetics, bioinformatics, biomedical engineering, biopharmaceuticals, biotechnology, chemical synthesis, chemistry technology, diagnostics, genomics, image analysis, marine biology, marine technology, medical devices, nanotechnology, natural product pharmaceuticals, proteomics, regenerative medicine, RNA interference, stem cell research and veterinary science.

“Life sciences company”, a business corporation, partnership, firm, unincorporated association or other entity engaged in life sciences research, development, manufacturing or commercialization in the commonwealth, and any affiliate thereof, which is, or the members of which are, subject to taxation under chapter 62, 63, 64H or 64I.

“New state revenue”, revenue derived from a life sciences company by the creation of any eligible new jobs or by new commercial activity that would otherwise not have taken place in the commonwealth or as may be defined by any rules or regulations promulgated by the center pursuant to section 5.

“Permanent full-time employee”, an individual who: (i) is in an employment relationship which, at its inception, does not have a termination date which is a date certain or which is determined with reference to the completion of some specified scope of work; (ii) works a minimum number of weekly hours as the center may specify by rule, regulation or guideline; and (iii) receives employee benefits at least equal to those provided to other full-time employees of the employer, which shall be a life sciences company.

“Person”, a natural person, corporation, association, partnership or other legal entity.

“Program”, the commonwealth life sciences investment program established by section 5.

“Professional investor”, a bank, bank holding company, savings institution, trust company, insurance company, investment company registered under the federal Investment Company Act of 1940, pension or profit-sharing trust or other financial institution or institutional buyer, licensee under the federal Small Business Investment Act of 1958 or any person, partnership or other entity of whose resources a substantial amount shall be dedicated to investing in securities or debt instruments and whose net worth exceeds \$250,000.

“Qualified security”, a note, stock, treasury stock bond, debenture, evidence of indebtedness, certificate of interest or participation in a profit-sharing agreement, preorganization certificate or subscription, transferable share, investment contract, certificate of deposit for a security, certificate of interest or participation in a patent or application therefor, or in royalty or other payments under such a patent or application; in general, any interest or instrument security, so-called, or any certificate for, receipt for, guarantee of, or option, warrant or right to subscribe to or purchase any of the foregoing; and debt of and partnership interest in, as a general or limited partner, any general or limited liability partnership organized under the laws of the commonwealth, and debt of and membership interest in any limited liability company organized under the laws of the commonwealth.

“Real estate project”, real property where, after a life sciences company is certified, construction or renovation shall be initiated which, when completed, shall result in an increase in the assessed value

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of the real property of at least 100 per cent over its assessed value as of the date of certification; provided, however, that if a real estate facility is a business incubator facility and is designated as a certified life sciences company pursuant to section 5, each business which executes a binding lease for space in that facility after the date on which the construction or renovation activity begins shall be eligible for separate designation as a certified life sciences company.

“Revenue”, receipts, fees, rentals or other payments or income received or to be received on account of obligations to the center including, but not limited to, income on account of the leasing, mortgaging, sale or other disposition of a project or proceeds of a loan made by the center in connection with any project, and amounts in reserves or held in other funds or accounts established in connection with the issuance of bonds and the proceeds of any investments thereof, proceeds of foreclosure and any other fees, charges or other income received or receivable by the center.

“Seed capital”, financing that is provided for the development, refinement and commercialization of a product or process and other working capital needs.

“Taxpayer”, a certified life sciences company or person subject to the taxes imposed by chapter 62, 63, 64H or 64I.

“Vocational technical school”, education institutions established pursuant to sections 14 and 15 of chapter 71, providing vocational-technical education as defined in section 1 of chapter 74.

**SECTION 4.** Section 3 of said chapter 23I, as so appearing, is hereby amended by striking out subsection (b) and inserting in place thereof the following subsection:—

(b) The center shall be governed and its corporate powers exercised by a board of directors consisting of 7 directors: 1 of whom shall be the secretary of administration and finance or his designee; 1 of whom shall be the secretary of housing and economic development or his designee; 1 of whom shall be the president of the University of Massachusetts or his designee; and 4 of whom shall be appointed by the governor, 1 of whom shall be a physician licensed to practice medicine in the commonwealth and affiliated with an academic medical center, 1 of whom shall be a chief executive officer of a Massachusetts-based life sciences corporation which is a member of the board of directors of the Massachusetts Biotechnology Council, 1 of whom shall be a researcher involved in the commercialization of biotechnology, pharmaceuticals or medical diagnostic products and 1 of whom shall have significant financial experience in the life sciences sector. Each appointed member shall serve a term of 5 years, except that in making his initial appointments, the governor shall appoint 1 director to serve for a term of 1 year, 1 director to serve for a term of 2 years, 1 director to serve for a term of 3 years, 1 director to serve for a term of 4 years. The secretary of the executive office of administration and finance and the secretary of the executive office of housing and economic development, or their designees, shall serve as co-chairs of the board. Any person appointed to fill a vacancy in the office of an appointed director of the board shall be appointed in a like manner and shall serve for only the unexpired term of such director. Any director shall be eligible for reappointment. Any director may be removed from his appointment by the governor for cause.

**SECTION 5.** Subsection (c) of said section 3 of said chapter 23I, as so appearing, is hereby amended

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by striking out the first paragraph and inserting in place thereof the following paragraph:-  
Four directors shall constitute a quorum and the affirmative vote of a majority of directors present at a duly called meeting if a quorum is present shall be necessary for any action to be taken by the board. Any action required or permitted to be taken at a meeting of the directors may be taken without a meeting if all of the directors' consent in writing to such action and such written consent is filed with the records of the minutes of the meetings of the board. Such consent shall be treated for all purposes as a vote at a meeting. Each director shall make full disclosure, under subsection (d), of his financial interest, if any, in matters before the board by notifying the state ethics commission, in writing, and shall abstain from voting on any matter before the board in which he has a financial interest, unless otherwise permissible under chapter 268A.

**SECTION 6.** Said section 3 of said chapter 23I, as so appearing, is hereby further amended by striking out subsection (e) and inserting in place thereof the following:-

(e) The Board shall have the power to appoint and employ a president, and to fix his compensation and conditions of employment. The president shall be the chief executive, administrative and operational officer of the center and shall direct and supervise administrative affairs and the general management of the center. The president shall appoint and employ a chief financial and accounting officer and may, subject to the general supervision of the board, employ other employees, consultants, agents, including legal counsel, and advisors, and shall attend meetings of the board. The chief financial and accounting officer of the center shall be in charge of its funds, books of account and accounting records. No funds shall be transferred by the center without the approval of the board and the signatures of the chief financial and accounting officer and the treasurer, as appointed by the board pursuant to subsection (g).

**SECTION 7.** The first sentence of subsection (g) of said section 3 of said chapter 23I of the General Laws, as so appearing, is hereby amended by striking out the word "chairperson," and inserting in place thereof the following words:— treasurer and.

**SECTION 8.** Said subsection (g) of said section 3 of said chapter 23I, as so appearing, is hereby further amended by striking out the last sentence.

**SECTION 9.** Clause (14) of subsection (a) of section 4 of said chapter 23I of the General Laws, as so appearing, is hereby amended by striking out the words ", issue bonds and apply the proceeds thereof as provided in section 8,".

**SECTION 10.** Clause (15) of said subsection (a) of said section 4 of said chapter 23I, as so appearing, is hereby amended by striking out the words ", all as provided in section 8".

**SECTION 11.** Said section 4 of said chapter 23I, as so appearing, is hereby further amended by striking out clauses (16) and (17) and inserting in place thereof the following 2 clauses:-

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(16) to act as the central entity and coordinating organization of life sciences initiatives on behalf of the commonwealth and to work in collaboration with governmental entities, bodies, centers, institutes and facilities and promote all areas of life sciences to advance the commonwealth's interests and investments in the life sciences;

(17) to promulgate a code of ethics to address collaborative state and business research activities; provided, further, that said code of ethics shall include recommendations, and proposed legislation if necessary, addressing the issue of exclusive licensing agreements for intellectual property developed using state funds between state-funded colleges and universities and private companies and institutions. Said code shall be forwarded to the clerks of the house and senate who shall forward the same to the joint committee on economic development and emerging technologies.

**SECTION 12.** Said section 4 of said chapter 23I, as so appearing, is hereby further amended by adding the following 3 clauses:-

(30) to operate as a licensed small business investment corporation pursuant to the provisions of the Small Business Investment Act of 1958, 15 U.S.C. section 661 et seq., as amended; provided, however, that as an alternative, the board may establish a subsidiary corporation to operate as a licensed small business investment corporation pursuant to said Small Business Investment Act of 1958, 15 U.S.C. section 661 et seq., and to make investments in qualified securities of enterprises through such subsidiary;

(31) to track and report to the general court on federal initiatives that have an impact on life sciences companies doing business in the commonwealth; and

(32) to create award programs to acknowledge successful companies, public and private institutions and programs in industry-specific areas, as determined by the center.

**SECTION 13.** Said chapter 23I is hereby further amended by striking out sections 5 to 8, inclusive, as so appearing, and inserting in place thereof the following 13 sections:-

Section 5. (a) There shall be established a commonwealth life sciences investment program which shall be administered by the center. The purpose of the program shall be to expand life sciences-related employment opportunities in the commonwealth and to promote health-related innovations by supporting and stimulating research and development, manufacturing and commercialization in the life sciences. Life sciences companies certified pursuant to subsection (b) shall be eligible for participation in the program.

(b) The center may, upon a majority vote of the board, certify a life sciences company as a certified life sciences company upon: (i) the timely receipt, as determined by the center, of a certification proposal supported by independently verifiable information, signed under the pains and penalties of perjury by a person expressly authorized to contract on behalf of the life sciences company and which shall include, but not be limited to: (A) an estimate of the projected new state revenue the life sciences

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company expects to generate during the period for which the company seeks certification, together with a plan, including precise goals and objectives, by which the life sciences company proposes to achieve the projected new state revenue, including for each tax year, an estimate of new commercial revenue that the commonwealth would not otherwise have received, an estimate of the number of permanent full-time employees to be hired or retained, an estimate of the year in which the company expects to hire or retain the employees, an estimate of the projected average salaries of said employees, an estimate of the projected taxable income pursuant to chapter 62 or 63 generated by said employees and an estimate of the methods by which the company shall obtain new employees and pursue a diverse workforce; (B) documentation of an agreement, if any, between the life sciences company and banking institutions with which the life science company shall have agreed to establish accounts and by which the banking institutions shall have agreed to commit a specified percentage of the funds deposited in the accounts for loans made thereby to companies under the small business capital access program established pursuant to section 57 of chapter 23A; and (C) if appropriate, documentation that the life sciences company has received approval for a certified project, pursuant to section 3F of chapter 23A; and (ii) findings made by the center, based on the certification proposal, documents submitted therewith and any additional investigation by the center, and incorporated in its approval, that: (A) the life sciences company shall meet all statutory requirements and any other criteria that the center may prescribe including, but not limited to criteria in the following areas: whether the life sciences company has sufficient business contacts with the commonwealth as evidenced by its business activity within the commonwealth including, but not limited to, the number of full-time employees employed in the commonwealth; the life sciences company's potential to further technological advancements in the life sciences; the life sciences company's potential to offer a breakthrough medical treatment for a particular disease, or medical condition; the life sciences company's potential for leveraging additional funding or attracting additional resources to the commonwealth; the life sciences company's potential to promote life sciences manufacturing in the commonwealth; and evidence of potential royalty income and contractual means to recapture such income for the purposes of this chapter, as the center considers appropriate; and (B) a certified life sciences company shall meet the new state revenue and employment growth projections, as specified in the certification proposal, over the period for which it receives benefits.

(c) A certified life sciences company may, upon a majority vote of the board, be eligible for the following benefits which shall be awarded by the board on a competitive basis: (1) benefits from the life sciences tax incentive program established by subsection (d); (2) grants, loans or other investments from the Massachusetts Life Sciences Investment Fund established by section 6; (3) equity investments from the Dr. Craig C. Mello Small Business Equity Investment Fund established by section 7; (4) assistance from the regional technology and innovation centers established by section 11; (5) assistance from the center to obtain designation as a certified project in an economic opportunity area pursuant to section 3F of chapter 23A; (6) assistance from the center in accessing economic incentive programs within the Massachusetts office of business development, including access to the technical, human, financial, training, educational and site-finding resources necessary to expand or locate in the commonwealth; (7) assistance from the center in obtaining federal grants; (8) assistance from the center in facilitating clinical trials; (9) preference for funding for life science job

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training programs; or (10) preference for pre-permitted industrial land as identified by the Massachusetts Development Finance Agency.

(d) There shall be established a life sciences tax incentive program. The center, in consultation with the department, may annually authorize incentives, including incentives carried forward, refunded or transferred, pursuant to the following: subsection (m) of section 6 of chapter 62, subsection (n) of said section 6 of said chapter 62, paragraph 17 of section 30 of chapter 63, section 31M of said chapter 63, paragraph 6 of subsection (f) of section 38 of said chapter 63, the fourth paragraph of section 38C of said chapter 63, subsection (j) of section 38M of said chapter 63, section 38U of said chapter 63, section 38V of said chapter 63, section 38W of said chapter 63, the third paragraph of section 42B of said chapter 63, and subsection (xx) of section 6 of chapter 64H, in a cumulative amount, including the current year cost of incentives allowed in previous years, that shall not exceed \$25,000,000 annually. The center may, in consultation with the department, limit any incentive or incentives to a specific dollar amount or time duration, or in any other manner deemed appropriate by the department; provided, however, that the department shall only allocate said incentives among commonwealth certified life sciences companies pursuant to subsection (b) and shall award said tax incentives pursuant to subsection (c).

The center shall provide an estimate to the secretary of administration and finance of the tax cost of extending benefits to a proposed project before certification, as approved by the commissioner of revenue, based on reasonable projections of project activities and costs. Tax incentives shall not be available to any certified life sciences company unless expressly granted by the secretary of administration and finance in writing.

(e) (1) Certification granted pursuant to subsection (b) shall be valid for 5 years starting with the tax year in which certification is granted. Each certified life sciences company shall file an annual report with the center detailing whether it has met the specific targets established in the proposal pursuant to subclause (A) of clause (i) of subsection (b).

(2) The certification of a life sciences company may be revoked by the center after an independent investigation and determination that representations made by the certified life sciences company in its certification proposal are materially at variance with the conduct of the life sciences company after receiving certification; provided, however, that the center shall review the certified life sciences company at least annually; provided, further, that a project with an actual return on investment that is less than 70 per cent of the return on investment projected in the certification proposal shall be deemed to contain a material variance for a revocation determination. If the center determines not to revoke certification upon a finding that the actual return on investment for the project is less than 70 per cent, the center shall provide its reasons for the decision in writing to the secretary of administration and finance, the commissioner of revenue and the clerks of the house of representatives and the senate, who shall forward the same to the house and senate committees on ways and means, the joint committee on revenue and the joint committee on economic development and emerging technologies. The center shall post these reasons on the internet for public access.

(3) Under this subsection, revocation shall take effect on the first day of the tax year in which the center determines that a material variance commenced. The commissioner of revenue shall, as of the effective date of the revocation, disallow any credits, exemptions or other tax benefits allowed by the

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original certification of tax benefits under this section. The department shall issue regulations to recapture the value of any credits, exemptions or other tax benefits allowed by the certification under this section; provided, however, that the recapture provisions in subsection (m) of section 6 of chapter 62 and section 38U of chapter 63 shall apply. If the original certification allowed sales and use tax exemptions pursuant to subsection (xx) of section 6 of chapter 64H, the purchaser shall accrue use tax as of the date of revocation on a portion of the sales price on which exemption was claimed that is proportionate to the remaining useful life of the property.

(4) Nothing in this subsection shall limit any legal remedies available to the commonwealth against any certified life sciences company.

(f) Capital funding may be revoked only by the center after an independent investigation and determination that representations made by the life sciences company in its certification proposal are materially at variance with the conduct of the life sciences company after certification; provided, further, that a life sciences company generating less than 70 per cent of the projected new state revenue in the certification proposal shall be deemed to contain a material variance for the purposes of a revocation determination. If the center does not revoke certification despite said material variance, the center shall provide its reasons for the decision in writing to the secretary of administration and finance, the commissioner of revenue and the clerks of the house of representatives and the senate, who shall forward the same to the house and senate committees on ways and means, the joint committee on bonding, capital expenditures and state assets and the joint committee on economic development and emerging technologies. A notice of revocation under this subsection shall specify the date on which the revocation is effective, which shall be the date of the notice or the date on which the center determined that the material variance commenced. The secretary of administration and finance shall, as of the effective date of the revocation, disallow any loans, grants or other benefits allowed by the original certification under this section. The department may issue regulations to recapture any grants or loans allowed by the certification under this section.

(g) The center shall revoke the certification of a life sciences company when independent investigations conducted in 2 consecutive years determine that representations made by the life sciences company in its project proposal are deemed materially at variance, pursuant to paragraph (2) of subsection (e) or subsection (f).

(h) The board, in consultation with the executive office of administration and finance and the executive office of housing and economic development, shall promulgate rules, regulations or guidelines necessary to carry out the provisions of this section.

Section 6. (a) There shall be established and placed within the center a fund to be known as the Massachusetts Life Sciences Investment Fund, hereinafter in this section referred to as the fund, to be held by the center separate and apart from its other funds, to finance the activities of the center. The fund shall be credited any appropriations, bond proceeds or other monies authorized by the general court and specifically designated to be credited thereto, such additional funds as are subject to the direction and control of the center, any pension funds, federal grants or loans, royalties or private investment capital which may properly be applied in furtherance of the objectives of the fund, any proceeds from the sale of qualified investments secured or held by the fund, any fees and charges

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imposed relative to the making of qualified investments as defined by the center, secured or held by the fund and any other monies which may be available to the center for the purposes of the fund from any other source or sources. Any revenues, deposits, receipts, or funds received through the receipt of royalties, interest, dividends, or the sale of equity instruments shall be deposited in the fund, and shall be available to the center for the purposes described in this section, without further appropriation. All available moneys in the fund that are unexpended at the end of each fiscal year shall not revert to the General Fund and shall be available for expenditure in the subsequent fiscal year.

(b) The center shall invest and reinvest the fund and the income thereof only as follows: (1) making qualified investments pursuant to subsection (c); (2) defraying the ordinary and necessary expenses of administration and operation associated with the center; provided, however, that said administrative and operational expenses shall not exceed 15 per cent of the maximum amount authorized to be expended from the fund in a fiscal year; (3) investing any funds not required for immediate disbursement in the purchase of such securities as may be lawful investments for fiduciaries in the commonwealth; (4) paying binding obligations associated with such qualified investments which shall be secured by the fund as the same become payable; and (5) paying principal or interest on qualified investments secured by the fund or paying any redemption premium required to be paid when such qualified investments shall be redeemed prior to maturity; provided, however, that monies in the fund shall not be withdrawn at any time in such an amount as would reduce the amount of the fund to less than the minimum requirement thereof established by the board, except for the purpose of paying binding obligations associated with qualified investments which shall be secured by the fund as the same become payable.

(c) The fund shall be held and applied by the center, subject to the approval of the board, to make qualified investments, grants, research and other funding and loans designed to advance the following public purposes for the life sciences in the commonwealth: (1) to stimulate increased financing for the expansion of research and development by leveraging private financing for highly productive state-of-the-art research and development facilities, equipment and instrumentation and by providing financing related thereto including, but not limited to, financing for the construction or expansion of such new facilities; (2) to make targeted investments, including research funding, proof of concept funding and funding for the development of devices, drugs or therapeutics and to promote manufacturing activities for new or existing advanced technologies and life sciences research; (3) to make matching grants to colleges, universities, independent research institutions, nonprofit entities, public instrumentalities, companies and other entities in connection with support from the federal government, industry and other grant-funding sources related to the expansion of research and development and to increase and strengthen economic development, employment opportunities and commercial and industrial sectors in the field of life sciences; (4) to provide bridge financing to colleges, universities, independent research institutions, nonprofit entities, public instrumentalities, companies and other entities for the receipt of grants as described in clause (3) awarded or to be awarded by the federal government, industry or other sources; (5) to provide fellowships, co-ops, internships, loans and grants; (6) to provide workforce training grants to prepare individuals for life sciences careers; (7) to provide funding for development, coordination and marketing of higher education programs; (8) to make qualified grants to certified life sciences companies for site remediation, preparation and

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ancillary infrastructure improvement projects; and (9) to otherwise further the public purposes set forth herein.

(d) Proceeds of the fund may be used by the center to fund life sciences initiatives including: (1) international trade initiatives; (2) qualified grants to graduate level and doctoral students and post-doctoral fellows for living expenses from the Dr. Judah Folkman Higher Education Grant Fund established by section 8; (3) equity investments from the Dr. Craig C. Mello Small Business Equity Investment Fund established by section 7; (4) joint academic and industrial research and development and commercial business exchanges between the commonwealth and Israel, in collaboration with the Massachusetts international trade council; (5) the Massachusetts Technology Transfer Center, established by section 45 of chapter 75; (6) the Massachusetts Science, Technology Engineering, and Mathematics Grant Fund, established by section 2MMM of chapter 29; or (7) a program to promote the research and development of plant-made pharmaceuticals and industrial products through field trials, in collaboration with the department of agricultural resources.

(e) The center shall make no such qualified investment pursuant to clause (1) of subsection (b) unless: (1) said investment has been approved by a majority vote of the board; (2) the recipient is a certified life sciences company pursuant to section 5 or a project or initiative listed in subsection (d); (3) the center finds, to the extent possible, that a definite benefit to the commonwealth's economy may reasonably be expected from said qualified investment; provided, further, that in evaluating a request or application for funding, the center shall consider the following: (i) the appropriateness of the project; (ii) whether the project has significant potential to expand employment; (iii) the project's potential to enhance technological advancements; (iv) the project's potential to lead to a breakthrough medical treatment for a particular disease or medical condition; (v) the project's potential for leveraging additional funding or attracting resources to the commonwealth; (vi) the project's potential to promote manufacturing in the commonwealth; and (vii) evidence of potential royalty income and contractual means to recapture such income for the purposes of this chapter, as the center considers appropriate; (4) to the extent said investment is a capital investment made pursuant to clause (8) of subsection (c), the investment has been approved by the secretary of the executive office of administration and finance upon request of the center; provided, however, that said request shall be submitted to the secretary in writing and shall, include but not be limited to: (i) a description of the project or program to be funded; (ii) the economic benefits to the commonwealth which can reasonably be expected from said project or program; (iii) a copy of the proposed contract or other document executing the transaction between the center and the recipient of the funds; (iv) a description of the contractual or other legal remedies available to the center upon non-performance of the contract or other document executing the transaction by the recipient including, but not limited to, any provisions for restitution or reimbursement of the funds granted, loaned or otherwise invested in or with the recipient; and (v) any other information as the secretary may determine; and (5) said qualified investment conforms with the rules approved by the board.

Said rules shall set the terms and conditions for investments which shall constitute qualified investments including, but not limited to, loans, guarantees, loan insurance or reinsurance, equity investments, grants awarded pursuant to clause (3) of subsection (c), other financing or credit enhancing devices, as established by the center directly or on its own behalf or in conjunction with

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other public instrumentalities, or private institutions or the federal government. Said rules shall provide that qualified investments made pursuant to clauses (1) and (2) of said subsection (c) shall involve a transaction with the participation of at least 1 at-risk private party.

Said rules shall establish the terms, procedures, standards and conditions which the center shall employ to identify qualified applications, process applications, make investment determinations, safeguard the fund, advance the objective of increasing employment opportunities, oversee the progress of qualified investments and secure the participation of other public instrumentalities, private institutions or the federal government in such qualified investments. Said rules shall provide for negotiated intellectual property agreements between the center and a qualified investment recipient which shall include the terms and conditions by which the fund's support may be reduced or withdrawn.

(f) The center may solicit investments by private institutions or investors in the activities of the fund and may reach agreements with such private institutions or investors regarding the terms of any such investments including, but not limited to, the rights of such investors to participate in the income or appropriation of the fund. To further the objective of securing investments by private institutions or investors in the activities of the fund pursuant to the preceding sentence, the center may develop a proposal creating a separate investment entity which shall permit the commingling of the fund's resources with the maximum participation by such private institutions or investors in a manner consistent with the public purpose of the fund and under the terms and conditions established to protect and preserve the assets of the fund.

(g) Copies of the approved rules, and any modifications, shall be submitted to the clerks of the house of representatives and the senate, who shall forward the same to the house and senate committees on ways and means and the joint committee on economic development and emerging technologies.

(h) Qualified investment transactions made by the center pursuant to this section shall not, except as specified in this chapter, be subject to chapter 175, or any successor thereto, and shall be payable solely from the Massachusetts Life Sciences Investment Fund established by this section and shall not constitute a debt or pledge of the full faith and credit of the commonwealth, the center or any subdivision of the commonwealth.

(i) The center shall not make expenditure from or commitment of the assets of the fund including, but not limited to, the making of qualified investments secured by the fund, if following the making of said qualified investment, the amount of the fund shall be less than the minimum requirement established by the board.

Section 7. (a) There shall be established and placed within the center a fund to be known as the Dr. Craig C. Mello Small Business Equity Investment Fund, hereinafter in this section referred to as the fund, to be held by the center separate and apart from its other funds. The fund shall be credited any appropriations, bond proceeds or other monies authorized by the general court and specifically designated to be credited thereto, such additional funds as are subject to the direction and control of the center, any pension funds, federal grants or loans, royalties or private investment capital which may properly be applied in furtherance of the objectives of the fund, any proceeds from the sale of qualified investments secured or held by the fund, any fees and charges imposed relative to the

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making of qualified investments as defined by the center, secured or held by the fund and any other monies which may be available to the center for the purposes of the fund from any other source or sources. Any revenues, deposits, receipts, or funds received through the receipt of royalties, interest, dividends, or the sale of equity instruments shall be deposited in the fund, and shall be available to the center for the purposes described in this section, without further appropriation. All available moneys in the fund that are unexpended at the end of each fiscal year shall not revert to the General Fund and shall be available for expenditure in the subsequent fiscal year.

(b) The center shall invest and reinvest the fund and the income thereof only as follows: (1) making qualified equity investments pursuant to subsection (c); (2) investing funds not required for immediate disbursement in the purchase of such securities as may be lawful investments for fiduciaries in the commonwealth; (3) paying binding obligations associated with such qualified investments which shall be secured by the fund as the same become payable; and (4) paying principal or interest on qualified investments secured by the fund or paying any redemption premium required to be paid when such qualified investments shall be redeemed prior to maturity; provided, however, that monies in the fund shall not be withdrawn at any time in such an amount as would reduce the amount of the fund to less than the minimum requirement thereof established by the board, except for the purpose of paying binding obligations associated with qualified investments which shall be secured by the fund as the same become payable.

(c) The fund shall be held and applied by the center to make qualified equity investments in enterprises seeking to raise seed capital; provided, however, that said qualified equity investments shall not exceed \$250,000 in any 1 enterprise. The center shall not make such qualified equity investments unless: (1) said investment has been approved by a majority vote of the board; (2) the recipient is a life sciences company certified pursuant to section 5; and (3) the center finds, to the extent possible, that a definite benefit to the commonwealth's economy may reasonably be expected from said qualified investment. In evaluating a request or application for funding, the center shall consider whether: (i) the proceeds of the equity investment shall only be used to cover the seed capital needs of the enterprise except as hereinafter authorized; (ii) the enterprise has a reasonable chance of success; (iii) the center's participation is necessary to the success of the enterprise because funding for the enterprise is unavailable in the traditional capital markets or contingent upon matching funds, or because funding has been offered on terms that would substantially hinder the success of the enterprise; (iv) the enterprise has reasonable potential to create a substantial amount of primary employment in the commonwealth; (v) the enterprise's principals have made or are prepared to make a substantial financial and time commitment to the enterprise; (vi) the securities to be purchased shall be qualified securities; (vii) there shall be a reasonable possibility that the center shall, at a minimum, recoup its initial investment; (viii) binding commitments have been made to the center by the enterprise for adequate reporting of financial data to the center, which shall include a requirement for an annual or other periodic audit of the books of the enterprise, and for such control on the part of the center as the board shall consider prudent over the management of the enterprise, to protect the investment of the center including the board's right to access, without limitation, financial and other records of the enterprise; and (ix) a reasonable effort has been made to find a professional investor to invest in the enterprise and such effort was unsuccessful; and (4) said qualified equity investment

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conforms with the rules approved by the board.

Said rules shall establish the terms, procedures, standards and conditions which the center shall employ to identify qualified applications, process applications, make investment determinations, safeguard the fund, advance the objective of increasing employment opportunities, oversee the progress of qualified equity investments and secure the participation of other public instrumentalities, private institutions or the federal government in such qualified equity investments. Said rules shall provide that each recipient of a qualified investment shall be required to pay a fee as a condition of such receipt, and said fee may take the form of points, an interest rate premium or a contribution of warrants or other forms of equity or consideration to the fund. Said rules shall provide for negotiated agreements between the center and each recipient of a qualified investment regarding the terms and conditions by which the fund's support thereof could be reduced or withdrawn.

(d) The center may solicit investments by private institutions or investors in the activities of the fund and may reach agreements with such private institutions or investors regarding the terms of such investments including, but not limited to, the rights of such investors to participate in the income or appropriation of the fund. To further the objective of securing investments by private institutions or investors in the activities of the fund pursuant to the preceding sentence, the center may develop a proposal relative to the creation of a separate investment entity which shall permit the commingling of the fund's resources with the maximum participation by such private institutions or investors consistent with the public purpose of the fund and under the terms and conditions established to protect and preserve the assets of the fund.

(e) Copies of the approved rules, and any modifications thereto, shall be submitted to the clerks of the house of representatives and the senate, who shall forward the same to the house and senate committees on ways and means and the joint committee on economic development and emerging technologies.

(f) Qualified equity investment transactions made by the center pursuant to this section shall not, except as specified in this chapter, be subject to chapter 175, or any successor thereto, and shall be payable solely from the Dr. Craig C. Mello Small Business Equity Investment Fund established by this section and shall not constitute a debt or pledge of the full faith and credit of the commonwealth, the center or any subdivision of the commonwealth.

(g) The center shall not make expenditure from or commitment of the assets of the fund including, but not limited to, the making of qualified investments secured by the fund, if following the making of said qualified investment, the amount of the fund shall be less than the minimum requirement established by the board.

Section 8. (a) There shall be established and placed within the center a fund to be known as the Dr. Judah Folkman Higher Education Grant Fund, hereinafter in this section referred to as the fund, to be held by the center separate and apart from its other funds. The fund shall be credited any appropriations, bond proceeds or other monies authorized by the general court and specifically designated to be credited thereto, such additional funds as are subject to the direction and control of the center, any pension funds, federal grants or loans, royalties or private investment capital which may properly be applied in furtherance of the objectives of the fund, any proceeds from the sale of qualified investments secured or held by the fund, any fees and charges imposed relative to the

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making of qualified investments as defined by the center, secured or held by the fund and any other monies which may be available to the center for the purposes of the fund from any other source or sources. Any revenues, deposits, receipts, or funds received through the receipt of royalties, interest, dividends, or the sale of equity instruments shall be deposited in the fund, and shall be available to the center for the purposes described in this section, without further appropriation. All available moneys in the fund that are unexpended at the end of each fiscal year shall not revert to the General Fund and shall be available for expenditure in the subsequent fiscal year.

(b) The center shall invest and reinvest the fund and the income thereof only as follows: (1) making qualified grants pursuant to subsection (c); (2) investing funds not required for immediate disbursement in the purchase of such securities as may be lawful investments for fiduciaries in the commonwealth; (3) paying binding obligations associated with such qualified investments which shall be secured by the fund as the same become payable; and (4) paying principal or interest on qualified investments secured by the fund or paying any redemption premium required to be paid when such qualified investments shall be redeemed prior to maturity; provided, however, that monies in the fund shall not be withdrawn at any time in such an amount as would reduce the amount of the fund to less than the minimum requirement thereof established by the center, except for the purpose of paying binding obligations associated with qualified investments which shall be secured by the fund as the same become payable.

(c) The fund shall be held and applied by the center to make qualified grants to graduate level and doctoral students and post-doctoral fellows studying or employed in the life sciences for living expenses; provided, however, that the center shall make no such qualified grants unless said grant has been approved by a majority vote of the board. Grants awarded from the fund shall, in addition to any restrictions adopted by the center, shall be awarded in \$5,000 increments not to exceed \$15,000 annually per recipient and further restrictions include: (1) recipients shall be enrolled in a graduate or doctorate level program or shall be working as postdoctoral fellows at a college, university, independent research institution or an academic medical center in the commonwealth; (2) recipients shall be commonwealth residents; and (3) the annual total household income of a recipient shall not exceed 300 per cent of the federal poverty level. The center shall make no such qualified grants pursuant to said clause (1) of said subsection (b) unless such qualified grant conforms with rules approved by the board.

Said rules shall establish the terms and conditions for grants which constitute qualified grants and shall establish the terms, procedures, standards and conditions which the center shall employ to identify qualified applications, process applications, make grant determinations, safeguard the fund, oversee the progress of qualified grants and secure the participation of other public instrumentalities, private institutions or the federal government in such qualified grants.

(d) The center may solicit investments by private institutions or investors in the activities of the fund and may reach agreements with such private institutions or investors regarding the terms of any such investments including, but not limited to, the rights of such investors to participate in the income or appropriation of the fund. To further the objective of securing investments by private institutions or investors in the activities of the fund pursuant to the preceding sentence, the center may develop a

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proposal creating a separate investment entity which shall permit the commingling of the fund's resources with the maximum participation by such private institutions or investors in a manner consistent with the public purpose of the fund and under the terms and conditions established to protect and preserve the assets of the fund.

(e) Copies of the approved rules, and any modifications thereto, shall be submitted to the clerks of the house of representatives and the senate, who shall forward the same to the house and senate committees on ways and means and the joint committee on economic development and emerging technologies.

(f) Qualified grants and investment transactions made by the center pursuant to the provisions of this section shall not, except as specified in this chapter, be subject to the provisions of chapter 175, or any successor thereto, and shall be payable solely from the Dr. Judah Folkman Higher Education Grant Fund, established by this section and shall not constitute a debt or pledge of the full faith and credit of the commonwealth, the center or any subdivision of the commonwealth.

(g) The center shall not make expenditure from or commitment of the assets of the fund including, but not limited to, the making of qualified investments secured by the fund, if following the making of said qualified investment, the amount of the fund shall be less than the minimum requirement established by the board.

Section 9. (a) There shall be established and placed within the center the Massachusetts Small Business Matching Grant Fund, hereinafter referred to in this section as the fund, to be held by the center separate and apart from its other funds. The fund shall be credited any appropriations, bond proceeds or other monies authorized by the general court and specifically designated to be credited thereto, such additional funds as are subject to the direction and control of the center, any pension funds, federal grants or loans, royalties or private investment capital which may properly be applied in furtherance of the objectives of the fund, any proceeds from the sale of qualified investments secured or held by the fund, any fees and charges imposed relative to the making of qualified investments as defined by the center, secured or held by the fund and any other monies which may be available to the center for the purposes of the fund from any other source or sources. Any revenues, deposits, receipts, or funds received through the receipt of royalties, interest, dividends, or the sale of equity instruments shall be deposited in the fund, and shall be available to the center for the purposes described in this section, without further appropriation. All available moneys in the fund that are unexpended at the end of each fiscal year shall not revert to the General Fund and shall be available for expenditure in the subsequent fiscal year.

(b) The center shall invest and reinvest the fund and the income thereof only as follows: (1) making qualified grants pursuant to subsection (c); (2) investing any funds not required for immediate disbursement in the purchase of such securities as may be lawful investments for fiduciaries in the commonwealth; (3) paying binding obligations associated with such qualified investments which shall be secured by the fund as the same become payable; and (4) paying principal or interest on qualified investments secured by the fund or paying any redemption premium required to be paid when such qualified investments shall be redeemed prior to maturity; provided, however, that monies in the fund shall not be withdrawn at any time in such an amount as would reduce the amount of the fund to less than the minimum requirement thereof established by the center, except for the purpose of paying

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binding obligations associated with qualified investments which shall be secured by the fund as the same become payable.

(c) Notwithstanding any provision of this chapter to the contrary, a company need not be a certified life sciences company, as established in section 5, to be eligible for matching grants pursuant to this section. The fund shall be held and applied by the center to make qualified loans, grants or other investments to stimulate increased financing for life sciences and high technology research and development, manufacturing and commercialization in the commonwealth by matching grants to public agencies, independent research institutions, nonprofits or to life sciences or high technology companies to increase and strengthen the commonwealth's economic development, employment opportunities and commercial and industrial sectors. The fund shall provide matching grants to commonwealth-based life sciences or high technology companies that receive small business innovation research or small business technology transfer grants from the Small Business Administration, pursuant to 15 U.S.C. section 638, to assist companies that have developed new commercialization-ready technologies to reach production and create manufacturing jobs in the commonwealth. Said matching grants shall be used to create manufacturing jobs and may be used for, without limitation, the creation of, and capital improvements for, production facilities, workforce training, product marketing and purchasing infrastructure for product manufacturing. Said matching grants shall be distributed to eligible companies that have commercialization-ready technologies developed with assistance from the Small Business Administration in the form of \$1 in matching funds for every \$1 granted from the small business innovation research phase IIB grants, phase III grants and the commercialization pilot project established by 15 U.S.C. section 638. Said matching grants shall be awarded in consultation with the Small Business Association of New England. No such grant to any company shall exceed \$500,000 annually and the center shall make no such qualified loan, grant or other investment unless: (1) said loan, grant or investment has been approved by a majority vote of the board; (2) the center finds that, to the extent possible, a definite benefit to the commonwealth's economy may reasonably be expected from said qualified loan, grant or investment; provided, however, that in evaluating a request or application for funding, the center shall consider whether: (i) the loan, grant or investment shall stimulate increased financing for life sciences and high technology research and development, manufacturing and commercialization; (ii) the enterprise has a reasonable chance of success; (iii) center participation is necessary; (iv) the enterprise has the reasonable potential to create a substantial amount of new employment in the commonwealth; (v) the principals of the enterprise have made or are prepared to make a substantial financial and time commitment to the enterprise; (vi) binding commitments have been made to the center by the enterprise for adequate reporting of financial data to the center, which shall include a requirement for an annual or other periodic audit of the books of the enterprise, and for such control on the part of the center as the board shall consider prudent over the management of the company to protect the investment of the center including the board's right to access, without limitation, financial and other records of the enterprise; and (vii) a reasonable effort has been made to find a professional investor to invest in the enterprise and whether such effort was unsuccessful; and (3) said loan, grant or other investment conforms with rules approved by the board.

Said rules shall define life sciences technology and high technology for purposes hereof; provided,

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however, that such definition shall include companies engaging in research and development, commercialization or manufacturing in the commonwealth. Said rules shall establish the terms and conditions for investments which constitute qualified investments, and may include, but not be limited to, loans, guarantees, loan insurance or reinsurance, equity investments or other financing or credit enhancing devices, as made by the center directly or on its own behalf or in conjunction with other public instrumentalities, private institutions or the federal government. Said rules shall establish the terms, procedures, standards and conditions which the center shall employ to identify qualified applications, process applications, make investment determinations, safeguard the fund, advance the objective of increasing employment opportunities for the citizens of the commonwealth, oversee the progress of qualified investments and secure the participation of other public instrumentalities, private institutions or the federal government in such qualified investments. Said rules shall provide that each recipient of a qualified investment shall be required to pay a fee as a condition of such receipt, and said fee may take the form of points, an interest rate premium or a contribution of warrants or other forms of equity or consideration to the fund. Said rules shall provide for negotiated agreements between the center and each recipient of a qualified investment regarding the terms and conditions by which the fund's support thereof could be reduced or withdrawn.

(d) The center may solicit investments by private institutions or investors in the activities of the fund and may reach agreements with such private institutions or investors regarding the terms of any such investments including, but not limited to, the rights of such investors to participate in the income or appropriation of the fund. To further the objective of securing investments by private institutions or investors in the activities of the fund pursuant to the preceding sentence, the center may develop a proposal relative to the creation of a separate investment entity which shall permit the commingling of the fund's resources with the maximum participation by such private institutions or investors consistent with the public purpose of the fund and under the terms and conditions established to protect and preserve the assets of the fund; provided, however, that if the creation or operation of such a separate entity would require additional or clarifying amendments to the enabling act of the center, said proposal shall include proposed statutory language with regard thereto. Any additional clarifying amendments to the enabling act shall be submitted by the center to the clerks of the house of representatives and the senate, who shall forward the same to the house and senate committees on ways and means and the joint committee on economic development and emerging technologies.

(e) Copies of the approved rules, and any modifications thereto, shall be submitted to the clerks of the house of representatives and the senate, who shall forward the same to the house and senate committees on ways and means and the joint committee on economic development and emerging technologies.

(f) Qualified investment transactions made by the center pursuant to the provisions of this section shall not, except as specified in this chapter, be subject to the provisions of chapter 175, or any successor thereto, and shall be payable solely from the Massachusetts Small Business Matching Grant Fund, established by this section and shall not constitute a debt or pledge of the full faith and credit of the commonwealth, the center or any subdivision of the commonwealth.

(g) The center shall not make expenditure from or commitment of the assets of the fund including, but

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not limited to, the making of qualified investments secured by the fund, if following the making of said qualified investment, the amount of the fund shall be less than the minimum requirement established by the board.

(h) The center shall develop a plan ensuring that fund disbursements made pursuant to this section shall be distributed throughout all regions of the commonwealth.

Section 10. (a) There shall be established and placed within the center a fund to be known as the Massachusetts Life Sciences Education Fund, hereinafter in this section referred to as the fund, to be held by the center separate and apart from its other funds. The fund shall be credited any appropriations, bond proceeds or other monies authorized by the general court and specifically designated to be credited thereto, such additional funds as are subject to the direction and control of the center, any pension funds, federal grants or loans, royalties or private investment capital which may properly be applied in furtherance of the objectives of the fund, any proceeds from the sale of qualified investments secured or held by the fund, any fees and charges imposed relative to the making of qualified investments as defined by the center, secured or held by the fund and any other monies which may be available to the center for the purposes of the fund from any other source or sources. Any revenues, deposits, receipts, or funds received through the receipt of royalties, interest, dividends, or the sale of equity instruments shall be deposited in the fund, and shall be available to the center for the purposes described in this section, without further appropriation. All available moneys in the fund that are unexpended at the end of each fiscal year shall not revert to the General Fund and shall be available for expenditure in the subsequent fiscal year.

(b) The center shall invest and reinvest the fund and the income thereof only as follows: (1) making qualified grants pursuant to subsection (c); (2) investing any funds not required for immediate disbursement in the purchase of such securities as may be lawful investments for fiduciaries in the commonwealth; (3) paying binding obligations associated with such qualified investments which shall be secured by the fund as the same become payable; and (4) paying principal or interest on qualified investments secured by the fund or paying any redemption premium required to be paid when such qualified investments shall be redeemed prior to maturity; provided, however, that monies in the fund shall not be withdrawn at any time in such an amount as would reduce the amount of the fund to less than the minimum requirement thereof established by the center, except for the purpose of paying binding obligations associated with qualified investments which are secured by the fund as the same become payable.

(c) The fund shall be held and applied by the center to make qualified grants to vocational and technical schools for purchasing or leasing necessary equipment to train students in life sciences technology and research; provided, however, that the center shall make no such qualified grants unless: (1) said grant has been approved by a majority vote of the board; (2) the grant recipient shall be a vocational technical school; provided, however, that if funds remain after consideration of grant applications submitted by vocational technical schools, the center may make qualified grants to community colleges established by chapter 15A or any other general or special law; (3) the grant recipient has identified and properly trained instructors to use the equipment to be purchased or leased; and (4) said qualified grants conform with the rules approved by the board.

Said rules shall set the terms and conditions for grants which constitute qualified grants and shall set

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forth the terms, procedures, standards and conditions which the center shall employ to identify qualified applications, process applications, make investment determinations, safeguard the fund, advance the objective of increasing employment opportunities for the citizens of the commonwealth, oversee the progress of qualified grants, and secure the participation of other public instrumentalities, private institutions or the federal government in such qualified grants.

(d) The center may solicit investments by private institutions or investors in the activities of the fund and may reach agreements with such private institutions or investors regarding the terms of any such investments including, but not limited to, the rights of such investors to participate in the income or appropriation of the fund. To further the objective of securing investments by private institutions or investors in the activities of the fund as established in the preceding sentence, the center may develop a proposal relative to the creation of a separate investment entity which shall permit the commingling of the fund's resources with the maximum participation by such private institutions or investors in a manner consistent with the public purpose of the fund and under terms and conditions established to protect and preserve the assets of the fund.

(e) Copies of the approved rules, and any modifications thereto, shall be submitted to the clerks of the house of representatives and the senate and shall forward the same to the house and senate committees on ways and means and the joint committee on economic development and emerging technologies.

(f) Qualified grants and investment transactions made by the center pursuant to the provisions of this section shall not, except as specified in this chapter, be subject to the provisions of chapter 175, or any successor thereto, and shall be payable solely from the Massachusetts Life Sciences Education Fund, established by this section and shall not constitute a debt or pledge of the full faith and credit of the commonwealth, the center or any subdivision of the commonwealth.

(g) The center shall not make expenditure from or commitment of the assets of the fund including, but not limited to, the making of qualified investments secured by the fund, if following the making of said qualified investment, the amount of the fund shall be less than the minimum requirement established by the board.

Section 11. (a) The center, in consultation with the advisory board established by section 12, shall identify 1 existing life sciences entity with experience facilitating local or regional life science industry sectors to serve as a regional technology and innovation center in each of the following 5 regions: western Massachusetts, central Massachusetts, northeastern Massachusetts, southeastern Massachusetts and metropolitan Boston.

(b) The purpose of each regional technology and innovation center shall include, but shall not be limited to: (i) encouraging and facilitating collaboration between existing organizations dedicated to promoting the regional life science industry; (ii) inputting regional life science industry and educational data, including the documentation of regional lab space, into the life sciences industry database as designed and maintained by the center; (iii) organizing, facilitating and implementing regional workforce development initiatives; (iv) providing business management and resource training, including the dissemination of best business practices; (v) facilitating public and private investment; (vi) reviewing and providing recommendations to the center proposals; (vii) identifying property conducive to regional life science industry expansion; (viii) investigating and identifying specific

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regions or municipalities that have the potential to be developed into a life sciences cluster; and (ix) facilitating the regional development and implementation of section 10A of chapter 23A.

(c) The executive director, or his equivalent, of the 5 regional technology and innovation centers shall meet from time to time with the center to exchange information; identify regional needs including, but not limited to, any assistance needed in fulfilling the regional centers' purposes as provided in subsection (b); and advise the center on the effectiveness of programs administered by the center.

(d) Each regional technology and innovation center shall provide an annual report to the center containing such information as may be required by the center to evaluate the progress of each regional center. The center may withdraw a designation as a regional technology and innovation center if a regional center does not satisfactorily meet the purposes of subsection (b), and as provided in any rules, regulations or guidelines established by the center.

Section 12. There shall be an 18-member advisory board to be appointed by the governor to advise the center. The members shall include: 10 of whom shall be active members of the Massachusetts Life Sciences Collaborative, at least 2 of whom shall represent small businesses; 5 of whom shall be the chancellors at the University of Massachusetts at Amherst, Boston, Dartmouth, Lowell and Worcester, or their designees; and 3 of whom shall be patient advocates with significant interaction or experience in the life sciences. The secretary of labor and workforce development or his designee, and the 5 executive directors of the regional technology and innovation centers, established pursuant to section 11, shall serve as ex-officio, non-voting members of the advisory board.

Each member shall serve for a term of 3 years, except that in making his initial appointments, the governor shall appoint 5 members to serve for a term of 1 year, 3 members to serve for a term of 2 years, 5 members for a term of 3 years. Any person appointed to fill a vacancy in the office of a member of the advisory board shall be appointed in a like manner and shall serve for only the unexpired term of the member who vacated. Members shall be eligible for reappointment. Any member may be removed by the governor for cause. The advisory board shall meet at least bi-annually, but shall meet as often as the members shall determine, or at such other intervals as established by the executive director to review recommendations made by the board. The members of the advisory board shall serve without compensation, but each member shall be entitled to reimbursement for his actual and necessary expenses incurred in the performance of his official duties.

The duties of the advisory board shall be to advise the center and the board concerning: research and development in the life sciences; development of products and the effectiveness of public and private initiatives to further product development; manufacturing and commercialization of biotechnology, pharmaceuticals, medical diagnostic products or such other areas within the life sciences; identifying candidates and providing recommendations for the 5 regional technology and innovation centers as established in section 11; and any other area as requested by the board.

The advisory board shall not be a state agency for the purposes of chapter 268A and shall not be subject to section 11A½ of chapter 30A or chapter 66.

Section 13. The center shall develop a comprehensive, internet-based life sciences sector database for the organization of all relevant information, as determined by the center, related to the life sciences

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sector in the commonwealth. Access to said database shall be limited at the discretion of the center's executive director. Any documentary materials or data received by the center from any entity, private or public, for the express purpose of adding information to the life science database shall be exempt from section 10 of chapter 66 and the board may hold any discussion or consideration of database materials in executive session closed to the public, notwithstanding the provisions of section 11A½ of chapter 30A, but the purpose of any such executive session shall be set forth in the official minutes of the center and business not directly related to such purpose shall not be transacted nor shall any vote be taken during such executive session.

Section 14. (a) The exercise of the powers granted by this chapter shall be for the benefit of the people of the commonwealth and for the improvement of their health and living conditions; and as the operation of the center shall constitute the performance of essential governmental functions, the center shall not be required to pay any taxes or assessments, except as otherwise provided by this chapter, and the notes or bonds issued under this chapter, their transfer and the income therefrom, including any profit made on the sale thereof, at all times shall be free from taxation by and within the commonwealth.

(b) The lands and tangible personal property of the center shall be deemed to be public property used for essential public and governmental purposes and shall be exempt from taxation and from betterments and special assessments.

Section 15. The center shall annually complete a detailed report setting forth its operations and accomplishments; its receipts and expenditures during such fiscal year; its assets and liabilities at the end of its fiscal year; the anticipated return on investment to the commonwealth from the investment of funds administered by the center during such fiscal year; a complete report detailing all companies classified as a certified life sciences company; a complete list of grants awarded by the center; a list of other funding activities; reports of patents or products resulting from funded activities; the status of construction of any real estate project resulting from certification, including whether construction is on-time and on-budget; and a tracking of job creation as a result of funded projects. The center shall annually submit the report to the governor, the secretary of administration and finance, the state comptroller and the clerks of the house of representatives and senate, who shall forward the same to the house and senate committee on ways and means and the joint committee on economic development and emerging technologies on or before October 1. The report shall be posted on the internet in a manner accessible to the public.

Section 16. The books and records of the center shall be subject to a biennial audit by the auditor of the commonwealth.

Section 17. (1)(a) Notwithstanding the provisions of chapter 32, or of any general or special law to the contrary, the center shall establish 1 or more optional retirement programs that qualify under section 401, 408 or 457 of Internal Revenue Code, as may be amended from time to time, or contracts providing retirement and death benefits may be purchased by employees of the center who elect to participate in the program. The benefits offered to employees of the center in such optional retirement program shall be provided through such custodial accounts or individual or group annuity contracts, which may be fixed or variable in nature, or a combination thereof; provided, that at all times, those annuity contracts issued by licensed insurers under the optional retirement program shall provide the

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minimum values and guarantees required by the laws governing such contracts in the commonwealth; and provided, further, that the benefits shall be payable only to employees of the center in the program or their beneficiaries, and such benefits shall be paid only by the selected providers in accordance with the terms of the custodial accounts, annuity contracts or certificates providing coverage to the employee of the center; and provided, further, that such optional retirement program shall not allow an employee of the center to withdraw contributions while an active participant in the center's optional retirement program.

(b) The center shall select at least 2 but no more than 4 providers for the optional retirement program and enter into contracts with them in accordance with the laws governing the procurement of services for executive agencies of the commonwealth, provided, further, that the selected providers shall be authorized to conduct business within the commonwealth, and each and every provider or issuer of annuity contracts under the optional retirement program which is a life insurance company shall hold a certificate of authority to do life insurance business in the commonwealth, maintain the minimum required capital and surplus required for life insurance companies under the laws of the commonwealth, be a member of the commonwealth's life and health insurance guaranty association and be a member of the life and health insurance guaranty associations in any and all jurisdictions where required by law with similar retirement programs funded in whole or in part through the provider's annuities in which employees of the center participating in the optional retirement program may participate upon transfer of employment; and provided, further, that said board shall coordinate the transfer of funds and information between payroll centers, the selected providers and employees of the center participating in the plan.

(2)(a) Participation in the optional retirement program provided by this section shall be limited to employees of the center who are otherwise eligible for membership in the state employees' retirement system as established under the provisions of chapter 32.

(b) Elections to participate in the optional retirement program shall be made as follows:

(i) Any eligible employee of the center who is initially appointed on or after the effective date of the optional retirement program may elect in writing to participate in the optional retirement program within 90 days of the effective date of the appointment. Any such election shall be effective as of the effective date of appointment. If an eligible employee of the center fails to make an election as provided in this paragraph, such employee shall become a member of the state employees' retirement system established under the provisions of said chapter 32.

(ii) Any eligible employee of the center who is a member of any retirement system established by the provisions of said chapter 32 on the effective date of the optional retirement program but who has less than 10 years of creditable service on the effective date of the optional retirement program may elect in writing to participate in the optional retirement program within 90 days after the effective date of the optional retirement program. Any such election shall become effective on the first day of the next pay period following such election, and shall constitute a waiver of all retirement benefits to which the individual may be entitled as an employee under any retirement system established under the provisions of said chapter 32.

(iii) Any employee of the center who is a member of any retirement system established by the provisions of said chapter 32 but who has less than 10 years of creditable service on the date such

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employee becomes eligible to participate in the optional retirement program may elect in writing to participate in such optional retirement program within 90 days of the date said employee becomes eligible. Any such election shall become effective on the first day of the next pay period following such election, and shall constitute a waiver of all retirement benefits to which the individual may be entitled as an employee under any retirement system established by the provisions of said chapter 32.

(iv) Any eligible employee of the center electing to participate in the optional retirement program shall be ineligible for membership in the state employees' retirement system while he remains continuously employed by the center; provided, that the election by an eligible employee to participate in the optional retirement program shall be irrevocable while the employee continues to meet the eligibility requirements; provided, however, that if an employee becomes ineligible to continue in the optional retirement program, the employee shall thereafter participate in the state employees' retirement system established in accordance with the provisions of said chapter 32.

(3)(a) Any eligible employee of the center electing to participate in the optional retirement program shall not be required to make contributions to the state employee's retirement system but shall contribute to the optional retirement program an amount equal to the contribution which would have been required had such employee been a member of the state employees' retirement system.

(b) For each eligible employee of the center electing to participate in the optional retirement program, the center shall contribute an amount equal to 5 per cent of each employee's regular compensation, as defined in section 1 of chapter 32, to the optional retirement program and a plan established to provide life and disability benefits to all participants in the program; provided, however, that not more than 1 per cent of said contribution shall be made to the plan established to provide said life and disability benefits; provided, further, that the balance of said contribution shall be remitted to the appropriate provider for application to the participating employee's contract or custodial account, less any monthly fees established by the board in order to cover the reasonably necessary direct costs incurred by the board in establishing and administering the plan.

(c) If any eligible employee of the center is a member of any retirement system established by the provisions of said chapter 32 at the time such employee elects to participate in the optional retirement program, the employee may direct that the amount of the accumulated total deductions, and any interest to which the employee would be entitled under said chapter 32 if the employee withdrew from the system, credited to such employee's account in such retirement system be transferred directly to such employee's account in the optional retirement program. Any such transfer shall be made in the form of a direct trustee-to-trustee transfer in compliance with the requirements of subchapter D of chapter 1 of the Internal Revenue Code.

(d) The funds accumulated under the optional retirement program shall be exempt from taxation. The rights of a participant to a custodial account, an annuity, the annuity contracts or certificates providing coverage to participants, and all right in and to the funds accumulated under the custodial accounts, annuity contracts or certificates shall be exempt from taxation, including income taxes levied under the provisions of said chapter 62. No assignment of any right in or to any funds or annuities under the optional retirement program shall be valid except such assignment as may be made for the purpose of making restitution in the case of dereliction from duty by any participant as established in section 15 of

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said chapter 32 if such assignment does not violate the restrictions of the Internal Revenue Code; provided that nothing in this section shall prevent a participant's custodial account or annuity from being attached, taken on execution, assigned, or subject to other process to satisfy a support order under chapters 208, 209, or 273 if such order constitutes a qualified domestic relations order under the terms of the Internal Revenue Code.

(e) Any eligible employee of the center enrolled in the optional retirement program who retires and wishes to retain his group insurance coverage as provided in chapter 32A, or retires and wishes to enroll in group insurance coverage pursuant to said chapter 32A, may do so in the same manner, and subject to the same limitations and requirements as an active employee member of the state employees' retirement system. Any eligible employee of the center enrolled in the optional retirement program who retains or enrolls in the group insurance coverage upon retirement shall be deemed to have authorized his optional retirement program plan provider to deduct from the retired employees account, on a monthly basis, and forward to the group insurance commission, an amount equal to the retired employee's share of the premium as set by said chapter 32A and each annual appropriation act. Each optional retirement program plan provider shall be required to deduct and forward said premium amounts, as determined by the group insurance commission, to the group insurance commission in advance of the month for which the premium is due and in a manner as may be prescribed by the group insurance commission. For group insurance commission purposes employees who were members of the state retirement system when they became eligible to participate in the optional retirement program, and who then enrolled in the optional retirement program, may add their time in the state retirement system to their time in the optional retirement program in determining years of creditable service.

(f) No contribution shall be made under any provision of this section in excess of, or on the basis of compensation in excess of, any limitation that may be imposed pursuant to federal law including, but not limited to, the limitations in 26 U.S.C. sections 401(a)(17), 402(g), 403(b) and 415, to the extent such limitations apply. The center may adopt rules and regulations as it deems necessary to carry out the purposes of this section including, but not limited to, rules or regulations establishing such limitations only when it determines that such limitations are necessary to comply with applicable provisions of the Internal Revenue Code.

**SECTION 14.** Section 5 of said chapter 23I, as appearing in section 14, is hereby amended by striking out subsection (d).

**SECTION 15.** Section 1 of chapter 32 of the General Laws, as appearing in the 2006 Official Edition, is hereby amended by inserting after the word "connector", in line 211, the following words:- , the Massachusetts Life Sciences Center, except those employees of the center opting to participate in an optional retirement plan established by the center pursuant to section 17 of chapter 23I.

**SECTION 16.** Section 2 of chapter 32A of the General Laws is hereby amended by inserting after the word "authority", in line 12, as so appearing, the following words:- , the Massachusetts Life Sciences Center.

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**SECTION 17.** Section 6 of chapter 62 of the General Laws, as most recently amended by section 4 of chapter 63 of the acts of 2007, is hereby further amended by adding the following 2 subsections:-

(m) (1) As used in this subsection and in subsection (n), the following words shall, unless the context clearly requires otherwise, have the following meanings:-

“Life sciences”, advanced and applied sciences that expand the understanding of human physiology and have the potential to lead to medical advances or therapeutic applications including, but not limited to, agricultural biotechnology, biogenetics, bioinformatics, biomedical engineering, biopharmaceuticals, biotechnology, chemical synthesis, chemistry technology, diagnostics, genomics, image analysis, marine biology, marine technology, medical devices, nanotechnology, natural product pharmaceuticals, proteomics, regenerative medicine, RNA interference, stem cell research and veterinary science.

“Person”, a natural person, corporation, association, partnership or other legal entity.

“Primarily”, more than 50 per cent.

“Research and development costs”, in-house research expenses within the meaning of section 41(b) (2) of the Internal Revenue Code.

“Taxpayer”, a certified life sciences company or person subject to the taxes imposed by chapters 62, 63, 64H or 64I.

“User fees”, the monetary amount actually paid by a taxpayer to the U.S.F.D.A. that constitutes the fee due upon the submission of a human drug application or supplement pursuant to 21 U.S.C. section 379h(a)(1) for a human drug, the research and development costs of which, were primarily incurred in the commonwealth.

“U.S.F.D.A.”, the United States Food and Drug Administration.

(2) A taxpayer may, to the extent authorized pursuant to the life sciences tax incentive program established by section 5 of chapter 23I, take a credit against the taxes imposed by this chapter in an amount equal to 10 per cent of the cost of qualifying property acquired, constructed, reconstructed or erected during the taxable year and used exclusively in the commonwealth.

Qualifying property shall be tangible personal property and other tangible property including buildings and structural components of buildings acquired by purchase, as defined by section 179(d) of the Internal Revenue Code, as amended and in effect for the taxable year, but not including property that is taxable under chapter 60A; provided, however, that such property shall be depreciable under section 167 of the Internal Revenue Code and have a useful life of 4 years or more. With respect to property which is disposed of or ceases to be in qualified use prior to the end of the taxable year in which the credit is to be taken, the amount of the credit shall be that portion of the credit provided for in this paragraph which represents the ratio which the months of qualified use bear to the months of useful life. If property on which credit has been taken is disposed of or ceases to be in qualified use prior to the end of its useful life, the difference between the credit taken and the credit allowed for actual use must be added back as additional taxes due in the year of disposition; provided, however, if such property is disposed of or ceases to be in qualified use after it has been in qualified use for more than twelve consecutive years, it shall not be necessary to add back the credit, as provided in this paragraph. The amount of credit allowed for actual use shall be determined by multiplying the original

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credit by the ratio which the months of qualified use bear to the months of useful life. For the purposes of this paragraph, useful life of property shall be the same as that used by the corporation for depreciation purposes when computing federal income tax liability.

A taxpayer taking a credit allowed under this subsection may not take the credit allowed by subsection (g) except to such extent, not to exceed 2 per cent of the cost of any qualifying property, as may be provided in a certification pursuant to said section 5 of chapter 23I.

Nothing in this section shall limit the authority of the commissioner to make adjustments to a taxpayer's liability upon audit or limit any other legal remedies available to the commissioner or the commonwealth against said taxpayer.

(3) Any taxpayer entitled to a credit under this section for any taxable year may, to the extent authorized pursuant to the life sciences tax incentive program established by said section 5 of said chapter 23I, carry over and apply to its tax for any 1 or more of the next succeeding 10 taxable years, the portion, as reduced from year to year, of those credits which exceed the tax for the taxable year.

(4) The commissioner in consultation with the Massachusetts Life Sciences Center established by section 3 of chapter 23I, shall promulgate regulations necessary for the administration of this subsection; provided, further, that said regulations may provide the adjustment of intercompany prices and elimination of intercompany transactions to ensure that all amounts upon which the credit is based reasonably reflect fair market value; and provided, further, that said regulations shall include provisions to prevent the generation of multiple credits with respect to the same property.

(5) If a credit allowed under this subsection, or such credit as may be allowed under subsection (g) as limited in this subsection, exceeds the tax otherwise due under chapter 62, 90 per cent of the balance of such credit may, at the option of the taxpayer and to the extent authorized pursuant to the life sciences tax incentive program established by section 5 of chapter 23I, be refundable to the taxpayer for the taxable year in which qualified property giving rise to that credit is placed in service. If such credit balance is refunded to the taxpayer, then the credit carryover provisions of paragraph (3), and paragraph (2) of subsection (g), shall not apply.

(n) (1) Except as otherwise limited by subsection (4), a taxpayer may, to the extent authorized pursuant to the life sciences tax incentive program established by said section 5 of said chapter 23I, be allowed a refundable credit against the tax liability imposed under this chapter in an amount equal to 100 per cent of the cost of user fees paid by such taxpayer.

(2) A taxpayer shall claim the credit in the taxable year in which its application for the licensure of an establishment to manufacture the human drug in the commonwealth is approved by the U.S.F.D.A.

(3) If a credit allowed to a taxpayer exceeds the tax otherwise due under chapter 62, 90 per cent of the balance of that credit may, to the extent authorized pursuant to the life sciences tax incentive program established by section 5 of said chapter 23I, be refundable to the taxpayer for the taxable year in which the credit is claimed.

(4) The deduction from gross income that may be taken with respect to any expenditures qualifying for the credit under this section shall be disallowed to the extent of the credit.

(5) Only user fees paid by a taxpayer to the U.S.F.D.A. on or after the effective date of this section shall be eligible for the credit.

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**SECTION 18.** Said section 6 of said chapter 62 is hereby further amended by striking out subsections (m) and (n), inserted by section 17.

**SECTION 19.** Section 30 of chapter 63 of the General Laws, as appearing in the 2006 Official Edition, is hereby amended by adding the following paragraph:-

17. Notwithstanding the last sentence in subparagraph (b) of paragraph 5, to the extent authorized pursuant to the life sciences tax incentive program established by section 5 of chapter 23I, losses sustained in any taxable year by a taxpayer engaged in business as a life sciences company as defined by section 2 of chapter 23I may, to the extent approved pursuant to said life sciences tax incentive program, be carried forward for not more than 15 years; provided, however, that said losses shall not be carried back.

**SECTION 20.** Said section 30 of said chapter 63 is hereby further amended by striking out paragraph 17, inserted by section 19.

**SECTION 21.** Said chapter 63 is hereby further amended by inserting after section 31L the following section:-

Section 31M. (a) As used in this section, the following words shall, unless the context otherwise requires, have the following meanings:-

“Life sciences”, advanced and applied sciences that expand the understanding of human physiology and have the potential to lead to medical advances or therapeutic applications including, but not limited to, agricultural biotechnology, biogenerics, bioinformatics, biomedical engineering, biopharmaceuticals, biotechnology, chemical synthesis, chemistry technology, diagnostics, genomics, image analysis, marine biology, marine technology, medical devices, nanotechnology, natural product pharmaceuticals, proteomics, regenerative medicine, RNA interference, stem cell research and veterinary science.

“Person”, a natural person, corporation, association, partnership or other legal entity.

“Primarily”, more than 50 per cent.

“Research and development costs”, in-house research expenses within the meaning of section 41(b) (2) of the Internal Revenue Code.

“Taxpayer”, a certified life sciences company or person subject to the taxes imposed by chapters 62, 63, 64H or 64I.

“User fees”, the monetary amount actually paid by a taxpayer to the U.S.F.D.A. that constitutes the fee due upon the submission of a human drug application or supplement pursuant to 21 U.S.C. section 379h(a)(1) for a human drug, the research and development costs of which, were primarily incurred in the commonwealth.

“U.S.F.D.A.”, the United States Food and Drug Administration.

(b) Except as otherwise limited by subsection (e), a taxpayer may, to the extent authorized pursuant to the life sciences tax incentive program established by said section 5 of chapter 23I, be allowed a refundable credit against the tax liability imposed under this chapter in an amount equal to 100 per

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cent of the cost of user fees paid by such company.

(c) A taxpayer shall claim the credit in the taxable year in which its application for the licensure of an establishment to manufacture the human drug in the commonwealth is approved by the U.S.F.D.A.

(d) The credit allowed may reduce the excise due under subsection (b) of section 32, or subsection (b) of section 39. The credit allowed to a taxpayer shall not be subject to the provisions of section 32C. Where such credit allowed to a taxpayer exceeds the excise otherwise due under said subsection (b) of section 32 or subsection (b) of said section 39, 90 per cent of the balance of that credit may, at the option of the taxpayer and to the extent authorized pursuant to the life sciences tax incentive program established by said section 5 of said chapter 23I, be refundable to the taxpayer for the taxable year in which the credit is claimed.

If a taxpayer files as a member of a combined group and applies its excess credit against the excise of another group member, then the credit as applied to corporations other than such taxpayer is not subject to section 32C and may reduce to zero the excise due under subsection (b) of section 32, or subsection (b) of section 39 and under any act in addition thereto. Where such credit allowed to a taxpayer that is applied against the excise liability of such other corporations exceeds the excise otherwise due to such corporations under this chapter, 90 per cent of the balance of that credit may, at the option of the taxpayer and to the extent authorized pursuant to the life sciences tax incentive program, be refundable to the taxpayer for the taxable year in which the credit is claimed.

(e) For the purposes of section 30, the deduction from gross income that may be taken with respect to any expenditures qualifying for the credit under this section is disallowed to the extent of the credit.

(f) Only user fees paid by a taxpayer to the U.S.F.D.A. on or after the effective date of this section shall be eligible for the credit.

**SECTION 22.** Section 31M of said chapter 63 is hereby repealed.

**SECTION 23.** Section 38 of said chapter 63, as appearing in the 2006 Official Edition, is hereby amended by striking out, in line 162, the word "and".

**SECTION 24.** Said section 38 of said chapter 63, as so appearing, is hereby further amended by inserting after the word "contracts", in line 169, the following: - ; and (6) to the extent authorized pursuant to the life sciences tax incentive program established by section 5 of chapter 23I, a certified life sciences company, as defined by section 5 of chapter 23I, may be deemed to be taxable in the state of the purchaser if the property of the project is delivered or shipped to a purchaser in another state.

**SECTION 25.** Said section 38 of said chapter 63 is hereby further amended by striking out clause (6), inserted by section 24.

**SECTION 26.** Section 38C of said chapter 63, as appearing in the 2006 Official Edition, is hereby amended by adding the following paragraph:-

To the extent authorized pursuant to the life sciences tax incentive program established by section 5

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of chapter 23I, a certified life sciences company may be deemed a research and development corporation for purposes of exemptions under chapters 64H and 64I.

**SECTION 27.** Said section 38C of said chapter 63 is hereby further amended by striking out the fourth paragraph, inserted by section 26.

**SECTION 28.** Section 38M of said chapter 63, as appearing in the 2006 Official Edition, is hereby amended by adding the following subsection:-

(j)(1) As used in this section, the following words shall, unless the context clearly requires otherwise, have the following meanings:-

“Life sciences”, advanced and applied sciences that expand the understanding of human physiology and have the potential to lead to medical advances or therapeutic applications including, but not limited to, agricultural biotechnology, biogenerics, bioinformatics, biomedical engineering, biopharmaceuticals, biotechnology, chemical synthesis, chemistry technology, diagnostics, genomics, image analysis, marine biology, marine technology, medical devices, nanotechnology, natural product pharmaceuticals, proteomics, regenerative medicine, RNA interference, stem cell research and veterinary science.

“Person”, a natural person, corporation, association, partnership or other legal entity.

“Taxpayer”, a certified life sciences company or person subject to the taxes imposed by chapter 62, 63, 64H or 64I.

(2) If a credit claimed under this section by a taxpayer exceeds the amount that may otherwise be allowed under this section for a taxable year, 90 per cent of the balance of that credit may, at the option of the taxpayer and to the extent authorized pursuant to the life sciences tax incentive program established by section 5 of chapter 23I, be refundable to the taxpayer for the taxable year. If such credit balance is refunded to the taxpayer, then the credit carryover provisions of paragraph (f) shall not apply.

**SECTION 29.** Said section 38M of said chapter 63 is hereby further amended by striking out paragraph (j), added by section 28.

**SECTION 30.** Said chapter 63 is hereby further amended by inserting after section 38T the following 3 sections:-

Section 38U. (a) As used in this section, section 38V and section 38W, the following words shall, unless the context clearly requires otherwise, have the following meanings:-

“Life sciences”, advanced and applied sciences that expand the understanding of human physiology and have the potential to lead to medical advances or therapeutic applications including, but not limited to, agricultural biotechnology, biogenerics, bioinformatics, biomedical engineering, biopharmaceuticals, biotechnology, chemical synthesis, chemistry technology, diagnostics, genomics, image analysis, marine biology, marine technology, medical devices, nanotechnology, natural product

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pharmaceuticals, proteomics, regenerative medicine, RNA interference, stem cell research and veterinary science.

“Person”, a natural person, corporation, association, partnership or other legal entity.

“Taxpayer”, a life sciences company or person subject to the taxes imposed by this chapter or chapter 62, 64H or 64I.

(b) A taxpayer may, to the extent authorized pursuant to the life sciences tax incentive program established by section 5 of chapter 23I, take a credit against the taxes imposed by this chapter in an amount equal to 10 per cent of the cost of qualifying property acquired, constructed, reconstructed or erected during the taxable year and used exclusively in the commonwealth.

Qualifying property shall be tangible personal property and other tangible property including buildings and structural components of buildings acquired by purchase, as defined under section 179(d) of the Code, as amended, and in effect for the taxable year, but not including property that is taxable under chapter 60A; provided, however, that such property shall be depreciable under section 167 of the Code and shall have a useful life of 4 years or more.

With respect to property which is disposed of or ceases to be in qualified use prior to the end of the taxable year in which the credit is to be taken, the amount of the credit shall be that portion of the credit provided for in this paragraph which represents the ratio which the months of qualified use bear to the months of useful life. If property on which credit has been taken is disposed of or ceases to be in qualified use prior to the end of its useful life, the difference between the credit taken and the credit allowed for actual use must be added back as additional taxes due in the year of disposition; provided, however, if such property is disposed of or ceases to be in qualified use after it has been in qualified use for more than twelve consecutive years, it shall not be necessary to add back the credit, as provided in this paragraph. The amount of credit allowed for actual use shall be determined by multiplying the original credit by the ratio which the months of qualified use bear to the months of useful life. For the purposes of this paragraph, useful life of property shall be the same as that used by the corporation for depreciation purposes when computing federal income tax liability.

The credit allowed under this section may be taken by an eligible corporation; provided, however, that neither credit allowed by section 31A nor section 31H is taken by such corporation; and provided, further, that the credit allowed by section 38N shall not be taken except to such extent, not to exceed 2 per cent of the cost of any qualifying property.

Nothing in this section shall limit the authority of the commissioner to make adjustments to a taxpayer's liability upon audit or limit any other legal remedies available to the commissioner or the commonwealth against said taxpayer.

(c) The credit allowed by this section shall not be subject to section 32C.

(d) If a taxpayer that is subject to a minimum excise under this chapter, the amount of the credit allowed by this section shall not reduce the excise to an amount less than such minimum excise.

(e) A taxpayer entitled to a credit under this section for any taxable year may, to the extent authorized pursuant to the life sciences tax incentive program established by section 5 of chapter 23I, carry over and apply to its excise for any 1 or more of the next succeeding 10 taxable years, the portion, as reduced from year to year, of those credits which were not allowed by subsection (c) or which exceed the excise for the taxable year.

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(f) For corporations filing a combined return of income under section 32B, a credit generated by an individual member corporation under this section shall first be applied against the separately determined excise attributable to that member, subject to the limitations of subsection (d). A member corporation with an excess credit may apply its excess credit against the excise of another group member, to the extent that such other member corporation may use additional credits under the limitation of paragraph (d). Unused, unexpired credits generated by member corporations shall be carried over from year to year by the individual corporation that generated the credit.

(g) The commissioner shall promulgate regulations necessary to implement this section. Said regulations may provide for the adjustment of intercompany prices and elimination of intercompany transactions to ensure that all amounts upon which the credit is based reasonably reflect fair market value and shall include provisions to prevent the generation of multiple credits with respect to the same property.

(h) If a credit allowed to a taxpayer under this section, or such credit as may be allowed under section 38N of this chapter as limited in this subsection, exceeds the excise otherwise due under this chapter, 90 per cent of the balance of such credit may, at the option of the taxpayer and to the extent authorized pursuant to the life sciences tax incentive program established by section 5 of chapter 23I, be refundable to the taxpayer for the taxable year in which qualified property giving rise to that credit is placed in service. If such credit balance is refunded to the taxpayer, the credit carryover provisions of subsection (e) and said section 38N shall not apply.

Section 38V. A taxpayer which is a certified life sciences company pursuant to section 5 of chapter 23I may, to the extent authorized pursuant to the life sciences tax incentive program established by said section 5 of chapter 23I, be allowed a deduction under paragraph 4 of section 30 for that portion of qualified clinical testing expenses paid or incurred for the taxable year equal to the amount of the credit allowable for the taxable year under section 45C of the Internal Revenue Code and otherwise disallowed as a deduction under section 280C(b) of said Code.

Section 38W. (a) A taxpayer may, to the extent authorized pursuant to the life sciences tax incentive program established by section 5 of chapter 23I, be allowed a credit against its excise due under this chapter equal to the sum of 10 per cent of the excess, if any, of the qualified research expenses for the taxable year, over the base amount, and 15 per cent of the basic research payments determined pursuant to section 41(e)(1)(A) of the Internal Revenue Code. The terms “qualified research expenses”, “base amount”, “qualified organization base period amount”, “basic research” and any other terms affecting the calculation of the credit shall, unless the context otherwise requires or unless otherwise stated in this section, have the same meanings as under said section 41 of said Code. In determining the amount of the credit allowable under this section, the commissioner of revenue may aggregate the activities of all corporations that are members of a controlled group of corporations, as defined by 41(f)(1)(A) of said Code, and may aggregate the activities of all entities, whether or not incorporated, that are under common control, as defined in section 41(f)(1)(B) of said Code.

(b) For a qualified life science company, research and development costs, within the meaning of section 41 of said Code, shall include, to the extent they relate to legally mandated clinical trial activities, those qualified research expenditures that are performed both inside and outside of the commonwealth.

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(c) For purposes of section 30, the deduction from gross income that may be taken with respect to any expenditures qualifying for a credit under said section 41 of said Code shall be based upon its cost less the credit allowable under this section; provided, however, that section 280C(c) of said Code shall not apply.

(d) The credit allowed hereunder for any taxable year shall not reduce the excise to less than the amount due under subsection (b) of section 32, subsection (b) of section 39, section 67 or under any other general or special law.

(e) The credit allowed under this section shall be limited to 100 per cent of a corporation's first \$25,000 of excise, as determined before the allowance of any credits, plus 75 per cent of the corporation's excise, as so determined in excess of \$25,000. The commissioner of revenue shall promulgate regulations similar to those authorized under section 38(c)(2)(B) of the Internal Revenue Code for purposes of apportioning the \$25,000 amount among members of a controlled group. Nothing in this section shall alter section 32C, as it affects other credits under this chapter.

(f) If a corporation files a combined return of income under section 32B, a credit generated by an individual member corporation under this section shall first be applied against the excise attributable to that company under sections 32 or 39, subject to the limitations of subsections (d) and (e). A member corporation with an excess research and development credit may apply its excess credit against the excise of another group member if such other member corporation may use additional credits under the limitations of said subsections (d) and (e). Unused, unexpired credits generated by a member corporation shall be carried over from year to year by the individual corporation that generated the credit and shall not be refundable. Nothing in this section shall alter subsection (h) of section 31A.

(g) A corporation entitled to a credit under this section for any taxable year may carry over and apply to its excise for any of the next succeeding 15 taxable years that portion, as reduced from year to year, of its credit which exceeds its excise for the taxable year. A corporation may carry over and apply to its excise for any subsequent taxable year that portion, as reduced from year to year, of those credits which were not allowed by subsection (f).

(h) The commissioner of revenue shall promulgate regulations necessary to carry out this section.

**SECTION 31.** Sections 38U, 38V and 38W of said chapter 63 are hereby repealed.

**SECTION 32.** Section 42B of said chapter 63, as appearing in the 2006 Official Edition, is hereby amended by adding the following paragraph:-

To the extent authorized pursuant to the life sciences tax incentive program established by section 5 of chapter 23I, a certified life sciences company may be deemed a research and development corporation for purposes of exemptions under chapters 64H and 64I.

**SECTION 33.** Said section 42B of said chapter 63 is hereby further amended by striking out the last paragraph, added by section 32.

**SECTION 34.** Section 6 of chapter 64H of the General Laws, as amended by section 12 of chapter 63

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of the acts of 2007, is hereby further amended by adding the following paragraph:-

(xx) (1) Sales of tangible personal property purchased for a certified life sciences company, to the extent authorized pursuant to the life sciences tax incentive program established by section 5 of chapter 23I, for use in connection with the construction, alteration, remodeling, repair or remediation of research, development or manufacturing facilities and utility support systems. Only purchases made on or after the effective date of this section shall be eligible for this exemption.

(2) As used in this section, the following words shall, unless the context clearly requires otherwise, have the following meanings:-

“Life sciences”, advanced and applied sciences that expand the understanding of human physiology and have the potential to lead to medical advances or therapeutic applications including, but not limited to, agricultural biotechnology, biogenerics, bioinformatics, biomedical engineering, biopharmaceuticals, biotechnology, chemical synthesis, chemistry technology, diagnostics, genomics, image analysis, marine biology, marine technology, medical devices, nanotechnology, natural product pharmaceuticals, proteomics, regenerative medicine, RNA interference, stem cell research and veterinary science.

“Life sciences company”, a business corporation, partnership, firm, unincorporated association or other entity engaged in life sciences research, development, manufacturing or commercialization in the commonwealth, and any affiliate thereof, which is, or the members of which are, subject to taxation under this chapter.

“Utility support systems”, all areas of utility support systems including, but not limited to, site, civil, mechanical, electrical and plumbing systems.

**SECTION 35.** Said section 6 of said chapter 64H is hereby further amended by striking out paragraph (xx), added by section 34.

**SECTION 36.** Notwithstanding any general or special law to the contrary, the University of Massachusetts at Dartmouth shall acquire from the Massachusetts Development Finance Agency the land and improvements thereon located at 151 Martine street in the city of Fall River together with the accessory parking lot owned by the Massachusetts Development Finance Agency located on the north side of Martine street, hereinafter collectively referred to as the Advanced Technology Manufacturing Center, for an amount not to exceed \$11,400,000 and pursuant to such other terms as the parties may mutually agree; provided, however, that said conveyance shall be approved by the board of trustees of the University of Massachusetts and the board of directors of Massachusetts Development Finance Agency. The conveyance shall be subject to a restrictive covenant prohibiting the University of Massachusetts at Dartmouth from occupying more than 60 per cent of the total square footage of the Advanced Technology Manufacturing Center at any time. The University of Massachusetts at Dartmouth shall retain any rent, license fees, appropriations, grants, fees, or such other monies earned in connection with owning and operating the Advanced Technology Manufacturing Center and shall apply such revenues solely to offset the costs associated with owning, operating, improving, leasing, licensing, managing and maintaining the land and improvements that constitute the Advanced

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Technology Manufacturing Center.

**SECTION 37.** Notwithstanding any general or special law to the contrary, the Massachusetts Life Sciences Center, established by section 3 of chapter 23I of the General Laws, in collaboration with the Massachusetts International Trade Council shall, subject to appropriation, facilitate and support joint academic and industrial research and development and commercial business exchanges between the commonwealth and Israel in the area of life sciences; provided, further, that subject to appropriation, there shall be established a trade and incubator facility in Israel and a trade and incubator facility in Massachusetts facilitated by the Massachusetts International Trade Council in consultation with the Massachusetts office of international trade and investment, established by section 24 of chapter 23A of the General Laws, for collaborative, joint and pilot projects with the Government of the State of Israel, the Boston Haifa International Life Sciences Institute and other organizations working with Israel.

**SECTION 38.** Notwithstanding any general or special law to the contrary, the term of any member appointed prior to the effective date of this act to the board of directors of the Massachusetts Life Sciences Center, established by section 3 of chapter 23I of the General Laws, shall expire upon the effective date of this act; provided, however, that any appointed board member whose term has expired pursuant to this section shall be eligible for reappointment to the board. Such appointments shall be made in accordance with section 3 of chapter 23I of the General Laws.

**SECTION 39.** Notwithstanding any general or special law to the contrary, the Massachusetts Life Sciences Center established by section 3 of chapter 23I of the General Laws, in consultation with the department of agricultural resources, shall, subject to appropriation, establish a program to promote the research and development of plant-made pharmaceuticals and industrial products through field trials approved under a permit or approved notification by the Biotechnology Regulatory Service of the Animal and Plant Health Inspection Service of the United States Department of Agriculture.

**SECTION 40.** Notwithstanding any general or special law to the contrary, the Massachusetts Life Sciences Center established by section 3 of chapter 23I of the General Laws, in conjunction with the office of the state treasurer, shall conduct an investigation and study of the feasibility of vetting and bundling life sciences enterprises for the purpose of securitization of enterprises to create investment opportunities to provide seed capital for enterprises. For the purposes of this study, "enterprise" shall be defined as a small business, as defined in chapter 40F of the General Laws, with its principal place of business in the commonwealth and which is, or proposes to be, engaged in manufacturing or research and development in the area of life sciences. Said center shall report to the general court the results of its investigation and study and its recommendations, if any, together with drafts of legislation necessary to carry its recommendations into effect by filing the same with the clerks of the house of representatives and the senate, who shall forward the same to the house and senate committees on ways and means and the joint committee on economic development and emerging technologies on or before March 31, 2009.

**SECTION 41.** Notwithstanding any general or special law to the contrary, the Massachusetts Life Sciences Center, established by section 3 of chapter 231 of the General Laws, shall conduct an investigation and study the feasibility of increasing the number of clinical trials conducted or expediting the process of conducting clinical trials in the commonwealth, by life sciences companies in the commonwealth. Said center shall report to the general court the results of its investigation and study and its recommendations, if any, together with drafts of legislation necessary to carry its recommendations into effect by filing the same with the clerks of the house of representatives and the senate who shall forward the same to the house of representatives and the senate committees on ways and means, the joint committee on economic development and emerging technologies, the joint committee on public health and the joint committee on health care financing on or before March 31, 2009.

**SECTION 42.** Notwithstanding any general or special law to the contrary, the Massachusetts Life Sciences Center, established by section 3 of chapter 231 of the General Laws, shall conduct an investigation and study of ways to enhance coordination between the angel investor community, so-called, and the life science industry. Said center shall report to the general court the results of its investigation and study and its recommendations, if any, together with drafts of legislation necessary to carry its recommendations into effect by filing the same with the clerks of the house of representatives and the senate, who shall forward the same to the house and senate committees on ways and means and the joint committee on economic development and emerging technologies on or before March 31, 2009.

**SECTION 43.** Notwithstanding any general or special law to the contrary, the Massachusetts Life Sciences Center, established by section 3 of chapter 231 of the General Laws, in conjunction with the appropriate state agencies, shall conduct an investigation and study to assess the feasibility of developing and implementing a program to engage and train community college students in the area of life sciences. Said center shall report to the general court the results of its investigation and study and its recommendations, if any, together with drafts of legislation necessary to carry its recommendations into effect by filing the same with the clerks of the house of representatives and the senate, who shall forward the same to the joint committee on economic development and emerging technologies, the joint committee on education and the joint committee on labor and workforce development on or before June 30, 2009.

**SECTION 44.** Notwithstanding any general or special law to the contrary, the total administrative and operational expenses of the Massachusetts Life Sciences Center established by section 3 of chapter 231 of the General Laws shall not exceed \$3,750,000 for fiscal year 2009; provided, further that said center shall conduct an investigation and study the center's annual operating expenses including, but not limited to, lease payments, payroll and contracted costs, to be used by the legislature to calculate annual operating expenses for future fiscal years. Said center shall report to the general court the

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results of its investigation and study and its recommendations, if any, together with drafts of legislation necessary to carry its recommendations into effect by filing the same with the clerks of the house of representatives and the senate, who shall forward the same to the house and senate committees on ways and means and the joint committee on economic development and emerging technologies on or before December 31, 2008.

**SECTION 45.** Notwithstanding any general or special law to the contrary, the department of revenue shall conduct an investigation and study including a detailed description and a numerical accounting of all tax incentives awarded to life sciences companies certified by section 5 of chapter 23I of the General Laws, including the value of tax incentives authorized pursuant to the life sciences tax incentive program, as established by said section 5 of said chapter 23I, for each year for which the project was certified, and the value of tax incentives actually used as a result of the project. Said center shall report to the general court the results of its investigation and study and its recommendations, if any, together with drafts of legislation necessary to carry its recommendations into effect by filing the same with the clerks of the house of representatives and the senate, who shall forward the same to the house and senate committees on ways and means, the joint committee on economic development and emerging technologies and the joint committee on revenue annually on or before June 30. Such report shall be posted on the internet in a manner accessible to the public.

**SECTION 46.** To meet the expenditures necessary in carrying out the provisions of section 2B, the state treasurer shall, upon receipt of a request by the governor, issue and sell bonds of the commonwealth in an amount to be specified by the governor from time to time, but not exceeding, in the aggregate, \$500,000,000. All bonds issued by the commonwealth, as aforesaid, shall be designated on their face, Life Sciences Center Capital Improvement Loan Act of 2008, and shall be issued for a maximum term of years, not exceeding 20 years, as the governor may recommend to the general court pursuant to Section 3 of Article LXII of the Amendments to the Constitution; provided, however, that all such bonds shall be payable not later than June 30, 2033. All interest and payments on account of principal on such obligations shall be payable from the General Fund. Bonds and interest thereon issued under the authority of this section shall, notwithstanding any other provisions of this act, be general obligations of the commonwealth.

**SECTION 47.** Notwithstanding any general or special law to the contrary, only certified life sciences projects authorized under section 5 of chapter 23I of the General Laws shall be eligible for the available capital funding provided in item 7002-0015 in section 2B.

**SECTION 48.** Notwithstanding any general or special law to the contrary, a private entity engaged in a construction, development, renovation, remodeling, reconstruction, rehabilitation or redevelopment project receiving funds pursuant to this act shall properly classify individuals employed on the project and shall comply with all laws concerning workers' compensation insurance coverage, unemployment insurance, social security taxes and income taxes with respect to all such employees. All construction contractors engaged by an entity on any such project shall furnish documentation to the appointing

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authority showing that all employees employed on the project have hospitalization and medical benefits that meet the minimum requirements of the connector board established in chapter 176Q of the General Laws.

**SECTION 49.** The value of any tax incentive award under the life sciences tax incentive program established in subsection (d) of section 5 of chapter 23I of the General Laws which extends beyond December 31, 2018, including carry-forwards of losses or credits, shall be taken into account during the year awarded and the full amount of such tax benefits potentially realized in periods after December 31, 2018 shall be counted against the annual ceilings for years ending prior to January 1, 2019. Tax incentives authorized pursuant to the life sciences tax incentive program shall count toward this \$25,000,000 annual ceiling only if they are not otherwise available to a taxpayer.

**SECTION 50.** Notwithstanding any general or special law to the contrary, the sales tax exemption in paragraph (xx) in section 6 of chapter 64H of the General Laws shall apply to sales of tangible personal property purchased for a certified life sciences company established in section 5 of chapter 23I of the General Laws on or after the effective date of this act.

**SECTION 51.** Notwithstanding any general or special law to the contrary, eligibility for a tax credit on user fees under paragraph (2) of subsection (n) of section 6 of chapter 62 of the General Laws and under subsection (f) of section 31M of chapter 63 of the General Laws shall apply to user fees paid on or after the effective date of this act.

**SECTION 52.** Subsection (d) of section 5 of chapter 23I of the General Laws, as appearing in section 14, shall take effect on January 1, 2009.

**SECTION 53.** Sections 17, 19, 21, 24, 26, 28, 30, 32, and 34 shall take effect on January 1, 2009.

**SECTION 54.** Sections 18, 20, 22, 23, 25, 27, 29, 31, 33, and 35 shall take effect on December 31, 2018.

*Approved June 16, 2008*

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