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UNIVERSITY OF MASSACHUSETTS
INTELLECTUAL PROPERTY POLICY

WORCESTER

The prompt and open dissemination of the results of research and creative work among scholars and, eventually, to the public at large is essential to the University's mission of education and research. The commercial development and distribution of the results of research and creative work to benefit the inventor or creator and the economy is part of the University's mission of public service. This Policy is intended to facilitate the commercial development of intellectual property arising at the University and to provide an incentive to University inventors or creators to participate in such development while acknowledging the University's primary goal of the discovery and dissemination of knowledge.

I. DEFINITIONS

As used in this Policy, the following words shall have the following meanings:

- A. Confidential Information - Information that is received by a Covered Individual from a third party under an express or implied obligation of confidence.
- B. Covered Individuals - All staff, faculty members, students, adjunct professors in residence, and any other individuals associated with the University.
- C. Copyrightable Work - A creative work that is protectable under the copyright laws of the United States or other countries. Copyright protection is available for most literary, musical, dramatic, and other types of creative works, including, for example, computer software, teaching materials, multimedia works, proposals, and research reports.
- D. CVIP - The University Office of Commercial Ventures and Intellectual Property, which has primary responsibility for administering the development and commercialization of Intellectual Property through licensing or other arrangements. CVIP may also be referred to as the Office of Technology Management or OTM.
- E. Director - The Executive Director of the CVIP.
- F. Evaluation Committee or Committee - One of several University committees, each with a particular area of technical expertise, that advises the CVIP and Vice Chancellor for Research in evaluating Inventions, Tangible Research Materials, and Copyrightable Works.
- G. Exempted Scholarly Work - A Scholarly Work that falls within certain categories of Copyrightable Works that have been formally recognized by the University as being Scholarly Works. The University currently recognizes the following categories of

Exempted Scholarly Works: textbooks, class notes, research articles, research monographs, student theses and dissertations, paintings, drawings, sculpture, musical compositions, poetry, and popular fiction and nonfiction. The President may adopt additional categories of Exempted Scholarly Works. As described below, under most circumstances Exempted Scholarly Works need not be disclosed to the University and the University automatically waives any ownership interest in such works.

- H. Intellectual Property - Inventions, Copyrightable Works, and Tangible Research Materials.
- I. Invention - A discovery or development that is protectable under the patent laws of the United States or other countries.
- J. Outside Researcher - An individual who performs or directs research for an organization other than the University.
- K. President - The President of the University or his or her designee.
- L. Public Disclosure or Publicly Disclosed - Any written or oral disclosure of an Invention or Copyrightable Work to any person not under a contractual or fiduciary obligation of confidentiality to the University.
- M. Scholarly Work - A Copyrightable Work that has the primary goal of disseminating academic or scholarly knowledge, or is a work of art or literature. As described below, whether a Copyrightable Work is a Scholarly Work will be determined by the Director and Vice Chancellor for Research on a case-by-case basis (except that Exempted Scholarly Works are automatically considered Scholarly Works), and under most circumstances the University waives all ownership interests in Scholarly Works.
- N. Tangible Research Materials or Materials - Tangible biological, chemical, and physical materials or equipment. Examples include cell lines, antibodies, DNA or RNA, chemical samples, plasmids, and prototypes.
- O. Vice Chancellor for Research - The Vice Chancellor for Research at each campus, or where no such person exists, the Provost (or their designees).

II. SCOPE

A. Persons Subject to the Policy

All Covered Individuals are subject to this Policy.

B. Types of Intellectual Property Covered by the Policy

This Policy addresses the three categories of Intellectual Property (Inventions, Copyrightable Works, and Tangible Research Materials) as well as Confidential Information. The President shall have authority to designate additional types of Intellectual Property under this Policy.

III. POLICY

A. Participation Agreement

The University has adopted a Participation Agreement, attached as Exhibit A, that confirms acceptance of this Policy by Covered Individuals and assigns to the University all rights in any Intellectual Property in which the University asserts ownership (as described below).

1. Students - Students must sign the Participation Agreement prior to employment by the University in any research-related position. Such employment would include, for example, an arrangement whereby a student is funded as a research assistant under a government research grant or an industry-sponsored research agreement with the University. Students may also be required to sign the Participation Agreement under other appropriate circumstances, as determined by the Vice Chancellor for Research.
2. Individuals Other Than Students - All Covered Individuals other than students must sign the Participation Agreement. The University will confirm that a valid Participation Agreement is on file before a Covered Individual receives any University-administered funds under a sponsored research grant or agreement.

B. Ownership of Intellectual Property

Any Covered Individual who invents, creates, or discovers any Intellectual Property will own all rights to such Intellectual Property except as follows:

1. Use of University Resources - The University will own any Intellectual Property (other than Exempted Scholarly Works) that is made, discovered, or created by any Covered Individual who makes significant use of University resources (including University-administered funds or University-funded time, facilities, or equipment) in connection with the development of such Intellectual Property. If the Individual uses only library facilities and occasional use of office equipment to create the Intellectual Property, such use will not ordinarily be considered "significant use" of University resources.

If a Covered Individual makes, creates or discovers Intellectual Property (other than Exempted Scholarly Works) that is the same as, directly related to, or substantially similar to a research project in which that faculty member is engaged at the University, then "significant use" of University resources will be presumed. As described below, the Covered Individual may rebut this presumption of University ownership through submission of documentary evidence which clearly establishes that the Intellectual Property was developed without significant use of University resources.

2. University-Commissioned Works - The University will own any Intellectual Property (including Exempted Scholarly Works) that is made, discovered, or created by a Covered Individual who is specifically hired or commissioned by the University for that purpose, unless otherwise provided by written agreement between such individual and the University.
3. Intellectual Property Subject to Contractual Obligations - Ownership of any Intellectual Property (including Exempted Scholarly Works) that is made, discovered, or created in the course of research funded by a sponsor pursuant to a grant or research agreement, or

which is subject to a materials transfer agreement, confidential disclosure agreement or other legal obligation affecting ownership, will be governed by the terms of such grant or agreement, as approved by the University, although the University will ordinarily claim ownership.

4. Student Works

- a. Generally - As with other Covered Individuals, students shall own any Intellectual Property that they make, discover, or create in the course of research (e.g., thesis or dissertation research) unless (i) the student received financial support from the University in the form of wages, salary, stipend, or grant funds for the research, (ii) the student made significant use of University resources (including University-administered funds or University-funded time, facilities, or equipment) in connection with the research, or (iii) the research was funded by a sponsor pursuant to a grant or sponsored research agreement or is subject to a materials transfer agreement, confidential disclosure agreement, or other legal obligation that restricts ownership of Intellectual Property.
- b. Theses and Dissertations - All student theses and dissertations are considered Exempted Scholarly Works; therefore, the student will own copyright to the Scholarly Work (unless Sections III.B.2. or III.B.3. apply), subject to a royalty-free license to the University to reproduce and publish the Scholarly Work. As described below, students are allowed to publish their theses and dissertations unless they have agreed in writing to restrictions that preclude or delay publication.

Under certain circumstances, as described in Section III.C.3. below, the University will relinquish its rights in Intellectual Property to the inventor or creator of that Intellectual Property at his or her request.

C. Administrative Procedures - Inventions and Copyrightable Works

A primary goal of the University is the discovery and free dissemination of knowledge for the benefit of the public. The University recognizes, however, that in certain instances the public will only benefit from knowledge that is protected under the patent or copyright laws, which provide an incentive for economic development of that knowledge. The University therefore requests that all Covered Individuals disclose Inventions and Copyrightable Works (other than Exempted Scholarly Works) promptly, in order to allow the University an opportunity to evaluate their commercial potential, and to preserve or enhance their value by filing a patent application or obtaining a copyright registration. The University has established the following procedures in order to accomplish the dual objectives of disseminating knowledge and maximizing the economic value of that knowledge.

1. Disclosure to the University - Disclosure forms should be submitted to the CVIP or the Vice Chancellor for Research. The Vice Chancellor for Research and the CVIP will exchange copies of all disclosure forms that each receives. The Vice Chancellor for Research will also make available to the campus Office of Grants and Contracts appropriate information to permit required disclosures to research sponsors (e.g., federal agencies). The CVIP will make available appropriate disclosure forms. The treatment of different categories of Intellectual Property is set forth below.

- a. Intellectual Property Developed with University Resources - All Covered Individuals are encouraged to disclose promptly all Inventions and Copyrightable Works (except Exempted Scholarly Works) that (i) are developed with significant use of University resources or (ii) are the same as, directly related to, or substantially similar to a research project in which that faculty member is engaged at the University (see Section III.B.1. above). Although the disclosure of such Inventions and Copyrightable Works is generally voluntary, if the Covered Individual intends to commercialize such Intellectual Property, disclosure is required reasonably before the Covered Individual takes any action to commercialize such Intellectual Property. Examples of commercial actions include, without limitation, seeking patent or copyright protection, commencing discussions with potential investors or licensees, or transferring the Intellectual Property to a third party.

If a Copyrightable Work is an Exempted Scholarly Work, no disclosure is required under any circumstances. In other cases in which a Covered Individual desires treatment of a Copyrightable Work as a Scholarly Work, the Covered Individual should submit to the CVIP or Vice Chancellor for Research, in addition to the disclosure form, a request for treatment of the work as a Scholarly Work and a brief explanation of why the work should be a Scholarly Work.

In the case of an Invention or Copyrightable Work that the Covered Individual claims is not subject to University ownership because the Intellectual Property was developed without significant use of University resources, the Covered Individual should submit to the CVIP or Vice Chancellor for Research, in addition to the disclosure form, a request for confirmation of individual ownership together with documentary evidence which clearly establishes that fact.

- b. University-Commissioned Works - In the case of Inventions and Copyrightable Works (including Exempted Scholarly Works) that a Covered Individual is specifically hired or commissioned by the University to develop (see Section III.B.2. above), disclosure of the Intellectual Property is required unless otherwise provided by written agreement between such individual and the University.
 - c. Intellectual Property Subject to Contractual Obligations (e.g., Sponsored Research Agreements) - In the case of Inventions and Copyrightable Works (including Exempted Scholarly Works) developed in the course of research funded by a sponsor pursuant to a grant or research agreement, or which is subject to a materials transfer agreement, confidential disclosure agreement or other legal obligation requiring disclosure, the disclosure of such Intellectual Property will be governed by the terms of such grant or agreement, as approved by the University, if such terms differ from this Policy.
2. Evaluation and Disposition of Disclosures - The Director and the Vice Chancellor for Research will review, evaluate, and make a disposition of all disclosure forms, and will promptly notify the Covered Individual of their disposition. The evaluation and disposition of a disclosure will be completed as soon as possible, but for Inventions

ordinarily no later than ninety (90) days, and for Copyrightable Works ordinarily no later than thirty (30) days after the CVIP or the Vice Chancellor for Research receives a complete and accurate disclosure form and any other information that the CVIP or the Vice Chancellor for Research requests in order to make an informed evaluation of an Invention or Copyrightable Work. Disclosure forms will be evaluated for one of more of the following dispositions, subject to the appeals process described in Section III.C.4. below:

- a. Scholarly Work - In the case of a Copyrightable Work that is claimed as a Scholarly Work (but is not an Exempted Scholarly Work), the Director and the Vice Chancellor for Research will decide whether that work is in fact a Scholarly Work.
- b. No Use of University Resources - In the case of an Invention or Copyrightable Work that the Covered Individual claims is not subject to University ownership because the Intellectual Property was developed without significant use of University resources, the Director and the Vice Chancellor for Research will decide whether there was in fact significant use of University resources.
- c. Evaluation of Commercial Potential: The Evaluation Committees - In the case of an Invention or Copyrightable Work that the Covered Individual discloses for possible commercialization by the University, the Director and the Vice Chancellor for Research will determine its commercial potential. To assist in this determination, the Director and the Vice Chancellor for Research may consult with patent or copyright counsel and outside experts in particular fields.

In addition to these resources, the Director and the Vice Chancellor for Research may seek the advice of various Evaluation Committees with expertise in various fields of research, which Committees the President shall have authority to establish at his or her discretion. Each Committee will be composed of faculty members with relevant expertise, appointed by the Chancellors in consultation with the Director and the Vice Chancellors for Research; a representative from the CVIP other than the Director; and a Committee Chair, selected by vote of the whole Committee. The Director may invite to any Committee meeting one or more individuals from outside the University with relevant industry experience to advise the Committee.

In the case of Inventions or Copyrightable Works (including Exempted Scholarly Works) that arise in the course of research funded by a sponsor under a grant or research agreement, or which are subject to a materials transfer agreement, confidential disclosure agreement, or other legal obligation affecting evaluation of disclosures, the evaluation process will be governed by the terms of such grant or agreement, as approved by the University, if such terms differ from this Policy.

In the unlikely event that the Director and the Vice Chancellor for Research disagree on the disposition of a disclosed Invention or Copyrightable Work, a final decision shall be made by the President.

3. Request for Relinquishment of Rights - Under certain circumstances, as described below, the University may relinquish its ownership rights in an Invention or Copyrightable Work to the inventor or creator of the Intellectual Property at his or her request.
 - a. Intellectual Property Developed With University Resources - The University automatically waives its rights in Exempted Scholarly Works. In all other cases, the University will ordinarily waive its ownership rights in favor of the inventor or creator of an Invention or Copyrightable Work if the Covered Individual has made complete and accurate disclosure of such Intellectual Property in accordance with this Policy and the Director and Vice Chancellor for Research have determined that the Intellectual Property comes under one or more of the following categories (as described in detail above):
 - Copyrightable Work that is a Scholarly Work
 - Intellectual Property developed without significant use of University resources
 - Intellectual Property that the University has decided not to commercialize
 - b. University-Commissioned Works - The University will not ordinarily waive its ownership rights in any Intellectual Property (including Exempted Scholarly Works) that is developed by a Covered Individual who is specifically hired or commissioned by the University for that purpose, unless otherwise provided by written agreement between such individual and the University.
 - c. Intellectual Property Subject to Contractual Obligations - In the case of Intellectual Property (including Exempted Scholarly Works) that is developed in the course of research funded by a sponsor pursuant to a grant or research agreement, or which is subject to a materials transfer agreement, confidential disclosure agreement, or other legal obligation affecting ownership, the relinquishment of any University rights in the Intellectual Property will be governed by the terms of the relevant grant or agreement, as approved by the University, if such terms differ from this Policy. A Covered Individual may need a separate waiver or assignment of rights from the other party in order to acquire complete rights to the Intellectual Property.

If certain Intellectual Property is available for relinquishment by the University (as set forth above), the inventor or creator of the Intellectual Property may request in writing that the Director grant a release or assignment of rights. The Director in consultation with the Vice Chancellor for Research will promptly respond to this request. The University will retain a royalty-free, non-exclusive license to use any such Inventions or Copyrightable Works for academic research and teaching.

4. Appeals - If a Covered Individual disagrees with a decision of the Director and the Vice Chancellor for Research under Section III.C.2., such individual may ask for reconsideration by the appropriate Evaluation Committee. The Committee shall review the matter and make its recommendation to the Director and the Vice Chancellor for Research who shall reconsider the matter. That decision may be appealed to the President, who shall review the written records and make a decision which shall be final.

D. Administrative Procedures - Tangible Research Materials

While potential commercial value should not inhibit the free exchange of University-owned Tangible Research Materials for research purposes, the University nonetheless recognizes that such Materials may have significant commercial value. In addition, Tangible Research Materials received by Covered Individuals may be subject to contractual restrictions that severely limit the use and transfer of such Materials, to the detriment of University researchers. The University has therefore established the following procedures to allow the free exchange of Tangible Research Materials, while at the same time respecting the ownership rights of the University, protecting the rights of its researchers, and limiting the liability of the University and its researchers.

1. Transfer to Outside Researcher for Basic Research - If a Covered Individual desires to transfer Materials to an Outside Researcher for use in internal basic research, and not for the development or sale of commercial products, the Covered Individual must use the appropriate University form of Materials Transfer Agreement ("MTA"), which will be provided by the CVIP together with instructions for the use of each form. The various forms of MTA will establish rights and responsibilities regarding the Materials among the University and the Outside Researcher and his or her employer and will minimize future confusion and controversy regarding the use and transfer of the Materials and ownership of Inventions or Materials based on the supplied Materials. Faculty members (but not other Covered Individuals) are authorized to sign MTAs on behalf of the University provided that (i) the University-form MTA is not altered or revised in any manner and (ii) a signed original of the MTA is sent to the CVIP when the Materials are sent to the Outside Researcher. Alternatively, CVIP representatives are authorized to approve and sign MTAs, even with revisions.

If Materials are developed by a Covered Individual in the course of sponsored research, or are otherwise subject to contractual restrictions (e.g., a materials transfer agreement or confidential disclosure agreement), the transfer of such Materials to an Outside Researcher will be governed by the terms of the relevant agreement, if such terms differ from this Policy.

These procedures also apply to students who leave the University and desire to bring with them Materials that they developed or discovered in the course of their work at the University.

2. Transfer for Commercial Use - Materials may not be transferred to any Outside Researcher for any use other than internal basic research unless the Outside Researcher has obtained a license from the University through the CVIP under the procedures set forth in this Policy. Materials with commercial uses should be disclosed to the CVIP or Vice Chancellor for Research in the same manner as Inventions and will be treated in the same manner as Inventions.
3. Receiving Materials from Outside Researchers - If a Covered Individual receives Materials from an Outside Researcher at another organization (non-profit or commercial), the other organization or researcher may impose serious use and transfer restrictions on the Materials and may claim an ownership interest in Inventions, Copyrightable Works, or Materials that arise in the course of research performed with

such Materials. For this reason, only CVIP representatives are authorized to approve and sign agreements governing receipt of Materials from other organizations. Covered Individuals are encouraged to consult with the CVIP regarding the restrictions applicable to a particular Material from an Outside Researcher before planning to use that Material in their research. Covered Individuals should be aware that, in some instances, these restrictions may be so onerous that the CVIP will ordinarily not approve the agreement. The CVIP will make available a University-form MTA for receipt of Materials, although the organization supplying the Materials will usually require use of its own MTA.

If Materials are received by a Covered Individual in the course of sponsored research, the transfer of such Materials will be governed by the terms of the applicable sponsored research agreement, if such terms differ from this Policy.

If any MTA restrictions would apply to research performed by students, the affected students must agree to such restrictions in writing.

E. Administrative Procedures - Confidential Treatment of Information

While the academic tradition of free dissemination of knowledge for the public benefit is recognized by the University to be of paramount importance, it may be necessary or desirable, under some circumstances, to restrict disclosure of Confidential Information received from a sponsor company or to delay Public Disclosure of an Invention. The University has developed the following procedures to balance these competing interests. The University will ordinarily not agree to maintain University-generated research results as trade secrets.

1. Guidelines Regarding Public Disclosure of Inventions - Internal disclosure of an Invention to the CVIP or Vice Chancellor for Research will not interfere with the ability to patent the Invention. However, Public Disclosure of an Invention prior to filing for a patent application (even one day before) will preclude the availability of patent protection in most countries. This rule applies to any non-confidential written or oral disclosure that describes the Invention (e.g., at a scientific meeting, in a journal, or even in an informal discussion with colleagues).

Accordingly, the University strongly encourages Covered Individuals to disclose Inventions to the CVIP as soon as possible, and to delay Public Disclosure of the Invention until the evaluation process is completed and a patent application is filed. The CVIP and Vice Chancellor for Research will attempt to minimize delays in publication, but a delay of up to ninety days is often necessary for evaluation. The CVIP and Vice Chancellor for Research will make every effort to expedite the evaluation process when a Covered Individual indicates that there is a compelling need for rapid publication.

During this interim period, an Invention may be safely disclosed outside of the University under the protection of a Confidential Disclosure Agreement ("CDA"), because disclosures made under an appropriate CDA are not considered Public Disclosures. The University therefore recommends that all Covered Individuals use the University-form CDA whenever they disclose information relating to an Invention while the Invention is under evaluation by the University, and the University strongly recommends use of the University-form CDA and consultation with the CVIP if a Covered Individual wishes to disclose an Invention to an Outside Researcher associated

with a company or other for-profit organization, or directly to such an organization. The CVIP will make available appropriate forms of CDA. Faculty members have authority to sign the University-form CDA on behalf of the University when they will disclose information (but will not receive information), provided they send a fully signed original of the CDA to the CVIP as soon as possible. Alternatively, CVIP representatives are authorized to approve and sign CDAs on behalf of the University.

Covered Individuals should be aware that Public Disclosure of an Invention prior to completion of the evaluation process and filing of a patent application will adversely affect the commercial value of the Invention and therefore may decrease the likelihood that the University will proceed with commercialization of that Invention.

In the case of an Invention or Copyrightable Work that arises in the course of sponsored research or a grant, or which is subject to a materials transfer agreement (MTA), confidential disclosure agreement, or other contractual restriction affecting Public Disclosure, any restrictions on Public Disclosure will be governed by the terms of the grant or agreement with the other party, as approved by the University. If such restrictions would prevent or delay the publication of a student thesis or dissertation, then he or she must agree to such restrictions in writing.

2. Receiving Confidential Information from Outside Researchers - If a Covered Individual receives Confidential Information from an Outside Researcher or organization (non-profit or commercial) in relation to research performed by the Covered Individual at the University, the other organization or researcher may impose serious non-disclosure and non-use obligations on the Confidential Information and may claim an ownership interest in Inventions, Copyrightable Works, or Materials that arise in the course of research performed with such Confidential Information. For this reason, only CVIP representatives are authorized to approve and sign CDAs from other researchers or organizations on behalf of the University. The CVIP will make available a University-form CDA for receipt of Confidential Information, although the organization disclosing the Confidential Information will usually require use of its own form of CDA.

When Confidential Information is received by a Covered Individual in the course of sponsored research, the treatment of such Confidential Information will be governed by the terms of the applicable sponsored research agreement, if such terms differ from this Policy.

If any CDA restrictions would apply to research performed by students, the affected students must agree to such restrictions in writing.

F. Administrative Procedures - Sponsored Research with Commercial Organizations

The Vice Chancellor for Research in consultation with the CVIP shall have responsibility for negotiating, executing, and administering funded research agreements between the University and commercial organizations, in accordance with the University policies on sponsored research. The Vice Chancellor for Research may delegate all or some of these responsibilities to the CVIP. CVIP approval is required for any terms of such agreements that affect rights to Intellectual Property (e.g., option rights, license rights, or assignment of ownership). If any restrictions in a funded research agreement (such as publication delays)

would apply to research performed by students, the affected students must agree to such restrictions in writing.

G. Commercialization of University-Owned Intellectual Property

The CVIP in consultation with the Vice Chancellor for Research shall have responsibility for commercial development and administration of all University-owned Intellectual Property. This commercial development will ordinarily occur through licensing of Inventions, Copyrightable Works, or Materials to a company. If the CVIP is successful in its commercialization efforts, the inventor or creator will share in the economic rewards, as will the department and campus.

1. Distribution of Non-Equity Revenue Derived from Commercialization - Royalty income and other non-equity revenue derived from the licensing of University-owned Intellectual Property will be distributed at the end of each accounting period as follows:

- a. The University will be reimbursed for any out-of-pocket expenses incurred in obtaining and maintaining patent or copyright protection for a specific item of Intellectual Property, and in evaluating and marketing such Intellectual Property.
- b. The remaining non-equity revenue will be distributed as follows:
 - Fifteen percent (15%) to the CVIP to fund patents, CVIP operations, and research grants; provided that such amount shall be capped in each fiscal year at an amount equal to the highest amount budgeted for CVIP operations from the campus over the prior three fiscal years, whether through assessment or through revenue derived from licensing or both; provided further, that amounts in excess of this cap shall be utilized at the direction of the Chancellor, with the approval of the President, for endowment in the department or program of the inventor(s) or creator(s). Amounts distributed to CVIP and/or such endowment shall be divided ratably based upon all non-equity revenue received in any given fiscal year.
 - Thirty percent (30%) to the inventor(s) or creator(s), except to the extent the revenue from Intellectual Property is derived from University of Massachusetts Biologics Laboratory projects. In the case of multiple inventors or creators, their shares will be distributed as they unanimously agree at the time of the invention disclosure. If the inventors or creators cannot agree on the distribution between (among) them, their shares will be distributed in equal portions.
 - Fifty-five percent (55%) to the campus of the inventor or creator; provided, that:
Fifteen percent (15%) of the first seven hundred thousand dollars (\$700,000) in non-equity revenue received by the campus in any fiscal year from any invention or creation shall be distributed to the department or program of the inventor(s) or creator(s); and
 - Ten percent (10%) of amounts between seven hundred thousand one dollars (\$700,001) and one million dollars (\$1,000,000) in non-equity revenue received

by the campus in any fiscal year from any invention or creation shall be distributed to the department or program of the inventor(s) or creator(s); and

- Five percent (5%) of amounts in excess of one million dollars (\$1,000,000) in non-equity revenue received in any fiscal year by the campus from any invention or creation shall be distributed to the department or program of the inventor(s) or creator(s).

- If multiple departments or programs are involved, their shares will be distributed in the same manner as the distributions to the inventors or creators within such departments or programs.

Notwithstanding the distribution described above, the Chancellor, with the approval of the President, may pledge all non-equity revenues other than the portion allocated to the inventor(s) or creator(s) to meet the debt service obligations of the campus.

c. Notwithstanding the other provisions of this policy, unless the Chancellor with the approval of the President specifically determines otherwise or as required by law, employees of the University of Massachusetts Biologics Laboratory, and other employees of the University working on projects funded by and in collaboration with said Biologics Laboratory, shall not receive an inventor(s)/creator(s) share distribution of non-equity licensing revenue; provided further, that all such revenue that would have gone to said inventor(s) or creator(s) shall go instead to said Biologics Laboratory.

2. Acceptance of Equity – The University may accept an equity interest in a company; provided that before the CVIP agrees to accept equity, it must receive the approval of the Vice Chancellor for Research, the Vice President for Economic Development, and the University Treasurer. The equity received by the University in connection with the commercialization of Intellectual Property will be held until liquidation, unless otherwise distributed pursuant to Section III.G.2.d or III.G.2.e below, with the proceeds distributed as follows:

a. First, to the extent the University is not fully reimbursed for out-of-pocket expenses from the non-equity revenue, the University will be reimbursed for any remaining out of-pocket expenses incurred in obtaining and maintaining patent, copyright, or other intellectual property protection for a specific item of Intellectual Property, and in evaluating and marketing such Intellectual Property.

b. The remaining proceeds from equity liquidation will be distributed as follows:

- Thirty percent (30%) to the inventor(s) or creator(s) except to the extent the equity is consideration for the licensing of Intellectual Property that is derived from University of Massachusetts Biologics Laboratory projects. In the case of multiple inventors or creators, their shares will be distributed as they unanimously agree at the time of the invention disclosure. If the inventors or creators cannot agree

on the distribution between (among) them, their shares will be distributed in equal portions.

- Fifteen percent (15%) for endowment in the department or program of the inventor(s) or creator(s).
- Fifty-five percent (55%) to the campus for endowment or development of research or scholarship, as determined by the Chancellor.

If the inventor(s)/creator(s) share has been distributed directly to the inventor(s) or creator(s) pursuant to Section III.G.2.d, all of the remaining proceeds from equity liquidation will be distributed between the department or program and the campus in the relative proportions of this Section.

- c. Notwithstanding the other provisions of this policy, unless the Chancellor with the approval of the President specifically determines otherwise or as required by law, employees of the University of Massachusetts Biologics Laboratory, and other employees of the University working on projects funded by and in collaboration with said Biologics Laboratory, shall not receive an inventor(s)/creator(s) share distribution of equity licensing revenue; provided further, that all such revenue that would have gone to said inventors shall go instead to said Biologics Laboratory.
- d. When the University accepts equity in a company as consideration for a technology licensing transaction, the University, taking into account any legal restrictions and the wishes of each inventor or creator involved, shall:
 - Arrange for the inventor(s)/creator(s) to receive his or her share of equity directly from the company upon execution of the relevant agreement rather than upon liquidation pursuant to paragraph III.G.2.b. above or
 - Take all equity, including the inventor(s)/creator(s) share, in the name of the University, in which case the Treasurer will make decisions regarding equity disposition based upon sound business judgment and information available to investors and will coordinate with the appropriate University officials if necessary; the inventor(s)/creator(s)' sole right being receipt of the inventor(s)/creator(s) share of such equity or its cash equivalent at such time and in such form as the Treasurer shall deem appropriate. At the determination of the Treasurer, equity may also be held on behalf of the University by the University of Massachusetts Foundation, Inc., or another outside investment advisor to minimize potential institutional conflicts of interest; provided that the interests of the inventor(s)/creator(s)

provided for in this section remain in full force and effect.

- e. In each transaction in which the University determines to hold rather than liquidate the equity it has accepted, it will ordinarily, within one year after the University's receipt of such equity in a publicly traded company, or within one year after the time when such equity in a company in which the University has accepted equity becomes eligible to be publicly traded, distribute the inventor(s)/creator(s) share of the equity or its cash proceeds as determined by the University consistent with the formula provided for in this policy.

H. Enforcement

The Director, the Vice Chancellor for Research, or the President may refer any matter to the appropriate University official for disciplinary or other appropriate action.

I. Appeals; Interpretation of Policy; Exceptions

The Director shall administer this Policy in regular consultation with the Vice Chancellors for Research and the President. The President, upon recommendation of the Vice President for Economic Development and in consultation with the General Counsel, may grant exceptions to the Policy in appropriate cases. The President shall have authority to overrule any decision of a Vice Chancellor or the Director.

PCT

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the Request Form (PCT/RO/101):

University of Massachusetts
225 Franklin Street, 12th Floor
Boston, MA 02110
United States of America

hereby appoints (appoint) the following person as: agent common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

James D. DeCamp, 43,580
CLARK & ELBING LLP
101 Federal Street
15th Floor
Boston, MA 02110
United States of America

to represent the undersigned before all the competent International Authorities
 the International Searching Authority only
 the Authority specified for supplementary search: _____
(please indicate the Authority(ies) specified for supplementary search)
 the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: ANTI-POLYMERIC IgA ANTIBODIES AND METHODS OF USE


Applicant's or agent's file reference: 50811-006WO2

International application number (if already available): PCT/US2020/025131

filed with the following Office _____ US _____ as receiving Office
and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

James P. McNamara, Ph.D.
Executive Director, OTM



Date: June 3, 2020