

Joint

ASSIGNMENT

WHEREAS, we, Ellis Reinherz and Linda Clayton (hereinafter "the Assignors"), have, together with co-inventors Timothy D. Ocain and Raymond J. Patch, invented a certain new and useful improvement in THYMOCYTE CASPASE ACTIVITY AND NEGATIVE SELECTION described in an application for Letters Patent of the United States, Serial No. 08/948,124, filed October 9, 1997.

WHEREAS, Dana-Farber Cancer Institute (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 44 Binney Street, Boston, Massachusetts 02115 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the

execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved.

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives;

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: *Ellis Reinherz*
Ellis Reinherz

State/Commonwealth
of MASSACHUSETTS
County of SUFFOLK

Then personally appeared before me the above-named Ellis Reinherz and acknowledged that he executed the foregoing instrument as his free act and deed this 29th day of January, 1998.

(SEAL)

Donna M. Presterone Notary Public
DONNA M. PRESTERONE (print name)
My Commission expires 8 / 16 / 02

Inventor: Linda K. Clayton
Linda Clayton

State/Commonwealth
of MASSACHUSETTS
County of SUFFOLK

Then personally appeared before me the above-named Linda Clayton
and acknowledged that she executed the foregoing instrument as
her free act and deed this 6th day of February,
1998.

(SEAL)

Donna M. Prestegone Notary Public
DONNA M. PRESTEGONE (print name)
My Commission expires 8 / 16 / 02

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