03-08-2000 **FORM** -1595 U.S. DEPARTMENT OF COMMERCE 1-31-92 SHEET Patent and Trademark Office **TJU-2340** To The Honorable Commissioner or caterus and madernarks. Please record the attached original documents or copy thereof. 2. Name and address of receiving part (ies): Name of conveying party(ies): Emad S. Alnemri Name: **Thomas Jefferson University** Additional name(s) of conveying party(ies) attached? () YES (X) NO Street Address: 3. Nature of Conveyance: 11th and Walnut Streets () Assignment () Merger () Security Agreement () Change of Name City: Philadelphia (X) Other: Cross-referencing of Assignment from parent Application Serial No. 08/859,167, filed May 20, State Pennsylvania ZIP 19107 1997, Reel 8730, Frame 0490 Execution Date(s): September 16, 1997 Additional name(s) & address attached? ()YES (X)NO 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 09/109,273, filed June 30, 1998 Additional numbers attached? () YES (X) NO 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning documents should be mailed: Name: Mark DeLuca 7. Total fee (37 CFR 3.41):.....\$10.00 Internal Address: WOODCOCK WASHBURN KURTZ (X) Enclosed MACKIEWICZ & NORRIS LLP () Authorized to be charged to Deposit Account One Liberty Place - 46th Floor Number 23-3050 Philadelphia, Pennsylvania 19103-7301 Street Address: WOODCOCK WASHBURN KURTZ 8. Please charge any deficiency or credit any MACKIEWICZ & NORRIS LLP overpayment to Deposit Account Number 23-3050 One Liberty Place - 46th Floor 1650 Market Street Philadelphia, Pennsylvania 19103-7301 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mark DeLuca - Reg. 33,229

Name of Person Signing/Reg. No.

February 2, 2000

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:

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Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231

> PATENT REEL: 010596 FRAME: 0311

(Pending Application; Serial No. 08/859,167)

DOCKET NO.: TJU-2208

ASSIGNMENT

WHEREAS, I Emad S. Alnemri, herein after referred to as the assignor, residing at 805 Meetinghouse Road, Ambler, Pennsylvania 19002, am the inventor of certain inventions or improvements for which I have made application for Letters Patent of the United States, identified as Serial No. 08/859,167, filed May 20, 1997, entitled FADD-LIKE ANTI-APOPTOTIC MOLECULES, METHODS OF USING THE SAME, AND COMPOSITIONS FOR AND METHODS OF MAKING THE SAME; and

WHEREAS, Thomas Jefferson University, hereinafter referred to as the assignee, of 11th and Walnut Streets, Philadelphia, Pennsylvania, a corporation of Pennsylvania is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the terms of the patent policy of Thomas Jefferson University, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said assignor, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any re-issue or re-issues or extension or extensions of said Letters Patent, and assign to and authorize said assignee to file in my name applications for Letters Patent in all countries the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

AND I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters

PATENT REEL: 010596 FRAME: 0312 Patent to said assignee, its successors, assigns, nominees or legal representatives, and I agree to communicate to said assignee, or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful caths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents of applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Emad S. Alnemri (L.S.)

COUNTY OF Philadelphia:

RECORDED: 02/07/2000

SS

on this 16 day of September, 1997, before me personally came the above named Emad Alnema, to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Notary Public

NOTARIAL SEAL SHERRY R. WEITZ, Notary Public City of Philadelphia, Phila. County My Commission Expires June 27, 1998

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PATENT REEL: 010596 FRAME: 0313