

PATENT
Attorney Docket No.: UALB-03356

Form PTO-1595		09-08-1998	U.S. Department of Commerce Patent and Trademark Office
To the Honorable Commissioner of Pat		100822671	ached original documents or copy thereof.
1. Name of conveying party(ies): Joel Hirsch Weiner Raymond Joseph Turner Additional name(s) of conveying party(ies) attached? No		2. Name and address of receiving party(ies): University of Alberta 2J2.27 Walter Mackenzie Centre Edmonton, Alberta, T6J 2C2, CANADA Additional name(s) & address(es) attached? No	
3. Nature of conveyance: Assignment Execution Date: 07/29/98, 07/30/98			
4. Title of Invention: Compositions and Methods For Protein Secretion Application number(s) or patent number(s): A. Patent Application No.(s): 09/085,761 B. Patent No.(s): Additional numbers attached? No			
5. Name and address of party to whom correspondence concerning document should be mailed: Kamrin T. MacKnight MEDLEN & CARROLL, LLP 220 Montgomery Street, Suite 2200 San Francisco, California 94104		6. Total number of applications and patents involved: 1 7. Total fee(s): Check(s) in the amount of \$160.00 enclosed (\$40.00 recordation fee, \$65.00 missing parts fee and \$55.00 One Month Extension of Time fee). 8. Deposit Account Authorization: The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.	
DO NOT USE THIS SPACE			
9. Statement and Signature: <i>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.</i> Date: August 26, 1998 Signature: Name: Virginia S. Medlen Reg. No.: 32,050 Total number of pages including cover sheet, attachments, and document: 4			

09/03/1998 ASELMAN 00000091 09085761

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PATENT
REEL: 9421 FRAME: 0486

ASSIGNMENT

WHEREAS, WE, Joel Hirsch Weiner and Raymond Joseph Turner, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **Compositions and Methods For Protein Secretion**

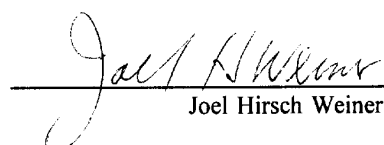
Filing Date: 05/28/98 Serial No.: 09/085,761

WHEREAS, University of Alberta, a nonprofit organization, 2J2.25 Walter Mackenzie Centre, Edmonton, Alberta, T6J 2C2, CANADA, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

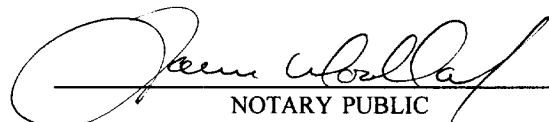


Joel Hirsch Weiner

Raymond Joseph Turner

PROVINCE
STATE OF ALBERTA)
CITY)
COUNTY OF EDMONTON) SS.

On this 29TH day of JULY, in the year of 1998, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.



NOTARY PUBLIC
Laine M. Woollard
Barrister and Solicitor, Notary Public

SEAL

PATENT

Attorney Docket No.: UALB-03356

ASSIGNMENT

WHEREAS, WE, Joel Hirsch Weiner and Raymond Joseph Turner, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

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NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

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IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

Joel Hirsch Weiner

Raymond Joseph Turner

PROVINCE

STATE OF ALBERTA)COUNTRY CANADA)

COUNTY OF _____)

SS,

On this 30th day of July, in the year of 1998, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.

NOTARY PUBLIC

SEAL

University
of Calgary

ID # 004012152

LUCY NISSEN
Barrister & Solicitor
Province of Alberta

PATENT

RECORDED: 08/31/1998

REEL: 9421 FRAME: 0488