	JU.3
FORM PTO-1595 (Rev. 6-93)	(CITE 101) 2011 (CE)
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original document or copy thereof.
Name of conveying party:	Name and address of receiving party:
1) JAMES B. DALE 2) 3) 4)  /- 23-03	Name: <u>UNIVERSITY OF TENNESSEE RESEARC</u> CORPORATION
5) 6)	Internal Address:
Additional names of conveying parties attached?Yes _XNo	
Nature of conveyance:     X     Assignment	Street Address: 1534 WHITE AVENUE, SUITE 40
Security Agreement Change of Name Other	City: KNOXVILLE State TN
Execution Dates: 1) DECEMBER 2, 2002 4)	Zip: <u>37996-1527</u>
1) DECEMBER 2, 2002 4) 5) 6) 6)	Additional names & addresses attached?Yes _XN
A. Patent Application No(s).  10/268,336	B. Patent No(s).
	ैं उ
Additional numbers attache	d? Yes <u>X</u> No
Name and address of party to whom correspondence concerning document should be mailed:	ed? Yes _X_ No
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved.
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved.
Name and address of party to whom correspondence concerning document should be mailed:      Name: Seed Intellectual Property Law Group PLLC	6. Total number of applications and patents involved.
Name and address of party to whom correspondence concerning document should be mailed:      Name: Seed Intellectual Property Law Group PLLC	6. Total number of applications and patents involved
Name and address of party to whom correspondence concerning document should be mailed:     Name: Seed Intellectual Property Law Group PLLC     Internal Address:	6. Total number of applications and patents involved
Name and address of party to whom correspondence concerning document should be mailed:      Name: Seed Intellectual Property Law Group PLLC      Internal Address: JEFFREY C. PEPE, PH.D.      Street Address: 701 Fifth Avenue, Suite 6300	6. Total number of applications and patents involved
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Seed Intellectual Property Law Group PLLC  Internal Address: JEFFREY C. PEPE, PH.D.  Street Address: 701 Fifth Avenue, Suite 6300  City: Seattle State: WA ZIP: 98104-7092	6. Total number of applications and patents involved
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Seed Intellectual Property Law Group PLLC  Internal Address: JEFFREY C. PEPE, PH.D.  Street Address: 701 Fifth Avenue, Suite 6300  City: Seattle State: WA ZIP: 98104-7092  2003 DBYRNE 00000274 10268336  9. Statement and signature.  To the best of my knowledge and belief, the foregoing true copy of the original document.	6. Total number of applications and patents involved.  7. Total Fee (37 CFR 3.41):
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Seed Intellectual Property Law Group PLLC  Internal Address: JEFFREY C. PEPE, PH.D.  Street Address: 701 Fifth Avenue, Suite 6300  City: Seattle State: WA ZIP: 98104-7092  203 DBYRNE 00000274 10268336  9. Statement and signature.  To the best of my knowledge and belief, the foregoing	6. Total number of applications and patents involved

## **ASSIGNMENT**

WHEREAS, I, James B. Dale, having the post office address of 72 Lombardy Road, Memphis, Tennessee 38111 (hereinafter referred to as ASSIGNOR), am the sole inventor of an invention entitled "STREPTOCOCCAL STREPTOLYSIN S VACCINES," as described and claimed in the specification forming part of a continuation-in-part application for United States letters patent which was filed on October 9, 2002 and assigned Application No. 10/268,336; this application is a continuation-in-part of U.S. Application No. 09/975,455, filed October 10, 2001, which application claims priority to U.S. Provisional Application No. 60/239,432, filed October 10, 2000;

WHEREAS, University of Tennessee Research Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Tennessee having a place of business at 1534 White Avenue, Suite 403, Knoxville, Tennessee 37996-1527, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters

1 of 2

PATENT REEL: 013676 FRAME: 0282 patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

DEC 2, 2002	Jamesh
Date	James B. Dale
State of	SS.
County of	33.

I certify that I know or have satisfactory evidence that James B. Dale is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Signature of Notary Public Katherine L. Sink

My appointment expires April 30, 2003

481112.412C1 336903

**RECORDED: 01/23/2003** 

PATENT REEL: 013676 FRAME: 0283