#### 502227010 02/11/2013

### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name            | Execution Date |
|-----------------|----------------|
| Kenneth L. ROCK | 09/22/2004     |
| Yan SHI         | 09/22/2004     |

#### **RECEIVING PARTY DATA**

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| State/Country:  | MASSACHUSETTS                   |
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## PROPERTY NUMBERS Total: 1

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 12879471 |

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|-------------------------|-------------------------|
| NAME OF SUBMITTER:      | Cynthia L. Kanik, Ph.D. |

Total Attachments: 2

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PATENT REEL: 029791 FRAME: 0113 CH \$40.00 12

502227010

#### ASSIGNMENT BY INVENTORS

WE, **Kenneth L. ROCK** and **Yan SHI**, of Chestnut Hill, Massachusetts and Auburn, Massachusetts, respectively, in consideration of One Dollar and other valuable consideration paid to us by:

### The University of Massachusetts

a university of Massachusetts, having its principal place of business at 365 Plantation Street, Worcester, Massachusetts 01655, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said:

#### The University of Massachusetts

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in:

# ENDOGENOUS ADJUVANT MOLECULES AND USES THEREOF

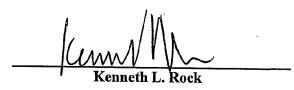
| described in an application                                                      |
|----------------------------------------------------------------------------------|
| Executed by us of even date herewith and about to be filed                       |
| or .                                                                             |
| x Application No. 10/846381, filed on May 13, 2004                               |
| This application claims the benefit of the following provisional application(s): |
| x Provisional Application No. 60/470396, filed on May 13, 2003                   |

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

And we do further hereby grant the attorneys/agents of Lahive & Cockfield, LLP, the power to insert on this Assignment the filing date and/or application number of said application.

PATENT REEL: 029791 FRAME: 0114



| Date:                                                              | 9-22-04                                                                                                       | <del></del>                                                                                              |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| United Stat<br>State of<br>County of                               | tes of America <u>Massachusell</u> <u>Wordester</u>                                                           | ) ss.:<br>)                                                                                              |
| (name of do<br>which was                                           | gned notary public, personall ocument signer), proved to me affiliation of the preceding of attached do       | e through satisfactory evidence of identification,  to be the person whose name                          |
| My commi                                                           | Sion expires                                                                                                  | (official signature and seal of notary)                                                                  |
| <b>.</b>                                                           | 09-22-04                                                                                                      | Yan Shi                                                                                                  |
| Date:                                                              | o i ccor                                                                                                      |                                                                                                          |
|                                                                    | tes of America  Massackust  Worcester                                                                         | (1) ss.:                                                                                                 |
| United State State of County of On this the undersi                | tes of America  Massackust  Workester  20rd day of Sky  gned notary public, personall                         | the ss.:  Stewler, 2004 before me, the yappeared for Man Mh.                                             |
| United State of County of On this the undersi (name of downich was | tes of America  Massackust  Workester  22nd day of gned notary public, personall ocument signer), proved to m | y appeared for your May be through satisfactory evidence of identification,  to be the person whose name |

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