PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| DAVID H. SHERMAN | 01/19/2011 |
| CHRISTOPHER M. RATH | 01/18/2011 |

RECEIVING PARTY DATA

| Name: | THE REGENTS OF THE UNIVERSITY OF MICHIGAN | |
|-------------------|---|--|
| Street Address: | 1214 S. UNIVERSITY AVENUE, 2ND FLOOR | |
| Internal Address: | OFFICE OF TECHNOLOGY TRANSFER | |
| City: | ANN ARBOR | |
| State/Country: | MICHIGAN | |
| Postal Code: | 48104-2592 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14467851 |

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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| ATTORNEY DOCKET NUMBER: | 30275/45345B | |
|-------------------------|---------------------|--|
| NAME OF SUBMITTER: | WILLIAM K. MERKEL | |
| SIGNATURE: | /William K. Merkel/ | |
| DATE SIGNED: | 09/10/2015 | |

Total Attachments: 2

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> **PATENT** REEL: 036532 FRAME: 0920 503473565

ASSIGNMENT

Serial No:

61/324,639

Filed:

April 15, 2010

Title:

A BIOSYNTHETIC PATHWAY FOR HETEROLOGOUS EXPRESSION OF A

NONRIBOSOMAL PEPTIDE SYNTHETASES DRUG AND ANALOGS

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to THE REGENTS OF THE UNIVERSITY OF MICHIGAN, Office of Technology Transfer, 1214 S. University Ave., 2nd Floor, Ann Arbor, Michigan 48104-2592 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for letters patent of the United States, and in said application and any and all other applications, both in the United States and in other countries, which the undersigned may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner for Patents to issue said letters patent to said Assignee.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned except in favor of Assignee.

For said consideration the undersigned hereby agree, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in other countries on said invention or improvements, that said Assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said Assignee, its successors or assigns, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the undersigned with said Assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in other countries, and vest all rights therein hereby conveyed in said Assignee, its successors and assigns, whereby said letters patent will be held and enjoyed by said Assignee, its successors and assigns, 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 and enjoyed by the undersigned if this assignment and sale had not been made.

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30275/45345

| WITNESS our hands this | 19th day of January, 2011. |
|---|---|
| State of Michigan County of Washtenaw | David H. Sherman |
| On this day of Notary Public in and for the County and State aft persons whose name is subscribed to the foregoin instrument as this his free and voluntary act and with WITNESS my hand and seal the same of | oresaid, appeared, to me personally known to be the same ng instrument, and acknowledged that he executed said for the uses and purposes therein expressed. |
| | Notary Public ERIN STEPHENS Notary Public, State of Michigan County of Washlenaw My:Commission Expires Jan. 31, 2014 ting in the County of Wash knaw |
| WITNESS our hands this State of M. China County of Weshing | 18th day of January, 2011. |
| On this day of Notary Public in and for the County and State afor persons whose name is subscribed to the foregoing instrument as his free and voluntary act and for the WITNESS my hand and seal the same day | |
| My Commission Expires: 125 | 14 White Hallaho |
| Notary Public, State of Michigan County of Wayne My Commission Expires Jan. 25, 2014 Acting in the County of | |
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