PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date | |
|-------------------------|----------------|--|
| LEI LING | 09/04/2015 | |
| DARRIN ANTHONY LINDHOUT | 09/08/2015 | |

RECEIVING PARTY DATA

| Name: | NGM BIOPHARMACEUTICALS, INC. | |
|-----------------|------------------------------|--|
| Street Address: | 630 GATEWAY BLVD. | |
| City: | SOUTH SAN FRANCISCO | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 94080 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14647627 |

CORRESPONDENCE DATA

Fax Number: (858)314-1150

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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Email: cquatrino@jonesday.com, MVdiaz@jonesday.com

Correspondent Name: JONES DAY

Address Line 1: 222 EAST 41ST STREET

Address Line 4: NEW YORK, NEW YORK 10017-6702

| ATTORNEY DOCKET NUMBER: | 13370-010-999/131254-010 |
|-------------------------|--------------------------|
| NAME OF SUBMITTER: | CHRISTINA QUATRINO |
| SIGNATURE: | /Christina Quatrino/ |
| DATE SIGNED: | 09/08/2015 |

Total Attachments: 2

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PATENT 503470360 REEL: 036514 FRAME: 0186

ASSIGNMENT

WHEREAS, WE, Lei LING, citizen of the United States, having a mailing address of 411 Nantucket Street, Foster City, CA 94404 residing at Foster City, CA and Darrin Anthony LINDHOUT, citizen of the United States, having a mailing address of 1533 Miramonte Avenue, Mountain View, CA 94040 residing at Mountain View, CA, ASSIGNORS, are the inventors of the invention in COMPOSITIONS AND METHODS FOR TREATMENT OF METABOLIC DISORDERS AND DISEASES for which we have executed an application for a Patent of the United States

- which is identified by Jones Day docket no. 13370-010-999/131254-999010
- which was filed on May 27, 2015, Application No. 14/647,627

and WHEREAS, NGM Biopharmaceuticals, Inc., a corporation organized and existing under the laws of the state of Delaware, and having an office for the transaction of business at 630 Gateway Blvd., South San Francisco, CA 94080, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

| Date | 9/4/15 | , 2015 | | L.S |
|------|--------|---|-------------------------|-----|
| | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Lei LING | |
| Date | 7/81,5 | , 2015 | Dardin Anthony LINDHOUT | L,S |

| ACCEPTED AN | ID AGREED TO BY A SSIGNEE, NGM Biophurmace | uticals, Inc.: | | |
|---------------|--|----------------|----------|---|
| Signature: | _/ <i>IIW/42</i> ~ | Date: | 9/0/15= | *************************************** |
| Printed Name: | William 5 Rieflin | ······· | <i>"</i> | |
| Title: | CEA | | | |