

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																														
NATURE OF CONVEYANCE:	ASSIGNMENT																														
CONVEYING PARTY DATA																															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr><td>Jung Hwan LEE</td><td>09/16/2013</td></tr> <tr><td>Soon Hag KIM</td><td>09/13/2013</td></tr> <tr><td>Mi-Jin KWON</td><td>09/20/2013</td></tr> <tr><td>Hyungu KANG</td><td>09/22/2013</td></tr> <tr><td>Sung Ho RYU</td><td>09/16/2013</td></tr> <tr><td>Jong In KIM</td><td>09/16/2013</td></tr> <tr><td>Youndong KIM</td><td>09/23/2013</td></tr> <tr><td>Young Chan CHAE</td><td>09/14/2013</td></tr> <tr><td>Sung Key JANG</td><td>09/17/2013</td></tr> <tr><td>Jong Hun IM</td><td>09/16/2013</td></tr> <tr><td>Sun Hak LEE</td><td>09/23/2013</td></tr> <tr><td>Hye Jung LEE</td><td>09/16/2013</td></tr> <tr><td>Eun Jung JANG</td><td>09/16/2013</td></tr> <tr><td>Ki Seok KIM</td><td>09/23/2013</td></tr> </tbody> </table>		Name	Execution Date	Jung Hwan LEE	09/16/2013	Soon Hag KIM	09/13/2013	Mi-Jin KWON	09/20/2013	Hyungu KANG	09/22/2013	Sung Ho RYU	09/16/2013	Jong In KIM	09/16/2013	Youndong KIM	09/23/2013	Young Chan CHAE	09/14/2013	Sung Key JANG	09/17/2013	Jong Hun IM	09/16/2013	Sun Hak LEE	09/23/2013	Hye Jung LEE	09/16/2013	Eun Jung JANG	09/16/2013	Ki Seok KIM	09/23/2013
Name	Execution Date																														
Jung Hwan LEE	09/16/2013																														
Soon Hag KIM	09/13/2013																														
Mi-Jin KWON	09/20/2013																														
Hyungu KANG	09/22/2013																														
Sung Ho RYU	09/16/2013																														
Jong In KIM	09/16/2013																														
Youndong KIM	09/23/2013																														
Young Chan CHAE	09/14/2013																														
Sung Key JANG	09/17/2013																														
Jong Hun IM	09/16/2013																														
Sun Hak LEE	09/23/2013																														
Hye Jung LEE	09/16/2013																														
Eun Jung JANG	09/16/2013																														
Ki Seok KIM	09/23/2013																														
RECEIVING PARTY DATA																															
Name:	POSTECH ACADEMY-INDUSTRY FOUNDATION																														
Street Address:	San 31 Hyoja-dong, Nam-gu, Gyeongsangbuk-do																														
City:	Pohang-si																														
State/Country:	KOREA, REPUBLIC OF																														
Postal Code:	790-784																														
PROPERTY NUMBERS Total: 1																															
Property Type	Number																														
Application Number:	14034947																														
CORRESPONDENCE DATA																															
Fax Number:																															

CH \$40.00 14034947

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 703-263-9390
Email: lex1233@lexyoume.com
Correspondent Name: LEXYOUME IP MEISTER, PLLC
Address Line 1: 5180 PARKSTONE DRIVE, SUITE 175
Address Line 4: CHANTILLY, VIRGINIA 20151

ATTORNEY DOCKET NUMBER:	LPP20133974US
-------------------------	---------------

NAME OF SUBMITTER:	Jongwon Kim
--------------------	-------------

Signature:	/jwkim/
------------	---------

Date:	09/24/2013
-------	------------

	This document serves as an Oath/Declaration (37 CFR 1.63).
--	--

Total Attachments: 24

source=LPP20133974US_DEC_ASSIGN#page1.tif
source=LPP20133974US_DEC_ASSIGN#page2.tif
source=LPP20133974US_DEC_ASSIGN#page3.tif
source=LPP20133974US_DEC_ASSIGN#page4.tif
source=LPP20133974US_DEC_ASSIGN#page5.tif
source=LPP20133974US_DEC_ASSIGN#page6.tif
source=LPP20133974US_DEC_ASSIGN#page7.tif
source=LPP20133974US_DEC_ASSIGN#page8.tif
source=LPP20133974US_DEC_ASSIGN#page9.tif
source=LPP20133974US_DEC_ASSIGN#page10.tif
source=LPP20133974US_DEC_ASSIGN#page11.tif
source=LPP20133974US_DEC_ASSIGN#page12.tif
source=LPP20133974US_DEC_ASSIGN#page13.tif
source=LPP20133974US_DEC_ASSIGN#page14.tif
source=LPP20133974US_DEC_ASSIGN#page15.tif
source=LPP20133974US_DEC_ASSIGN#page16.tif
source=LPP20133974US_DEC_ASSIGN#page17.tif
source=LPP20133974US_DEC_ASSIGN#page18.tif
source=LPP20133974US_DEC_ASSIGN#page19.tif
source=LPP20133974US_DEC_ASSIGN#page20.tif
source=LPP20133974US_DEC_ASSIGN#page21.tif
source=LPP20133974US_DEC_ASSIGN#page22.tif
source=LPP20133974US_DEC_ASSIGN#page23.tif
source=LPP20133974US_DEC_ASSIGN#page24.tif

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

As the below named inventor, I hereby declare that this Declaration is directed to:

TITLE: Method of diagnosing cancer using a nucleolin specific aptamer

the specification of which: (complete (a), (b) or (c))

(a) ☒ is attached hereto.

(b) ☐ was filed in the U.S. Patent & Trademark Office on _____ and assigned Serial No.: _____
and was amended on _____ (if applicable).

(c) ☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____ (if any).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS,

ASSIGNEE: POSTECH ACADEMY-INDUSTRY FOUNDATION

ADDRESS: San 31, Hyoja-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do 790-784, Republic of Korea

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.


I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Address all correspondence and telephone calls to LEXYOUME IP MEISTER, PLLC., 5180 Parkstone Drive, Suite 175, Chantilly, Virginia 20151; Telephone: (703) 263-9390; Fax: (703) 263-9361, Customer No. 66390.

FIRST INVENTOR: LEE, Jang Hwan

Signature:  Date: 9/10/2013

SECOND INVENTOR: KIM, Soon Hag

Signature: _____ Date: _____

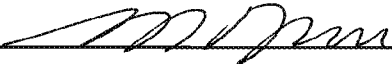
THIRD INVENTOR: KWON, Mi-Jin

Signature: _____ Date: _____

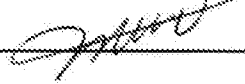
FOURTH INVENTOR: KANG, Hyungu

Signature: _____ Date: _____

FIFTH INVENTOR: RYU, Sung Ho

Signature:  Date: 9/16/2013

SIXTH INVENTOR: KIM, Jong In

Signature:  Date: 9/16/2013

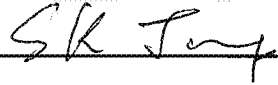
SEVENTH INVENTOR: KIM, Youndong

Signature: _____ Date: _____

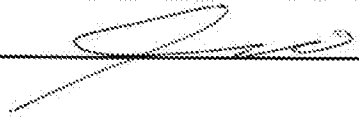
EIGHTH INVENTOR: CHAE, Young Chan

Signature: _____ Date: _____

NINTH INVENTOR: JANG, Sung Key

Signature:  Date: 9/17/2013

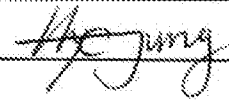
TENTH INVENTOR: IM, Jong Hun

Signature:  Date: 9/16/2013

ELEVENTH INVENTOR: LEE, Sun Hak

Signature: _____ Date: _____

TWELFTH INVENTOR: LEE, Hye Jung

Signature:  Date: 9/16/2013

THIRTEENTH INVENTOR: JANG, Eun Jung

Signature:  Date: 9/16/2013

FOURTEENTH INVENTOR: KIM, Ki Seok

Signature: _____ Date: _____

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

As the below named inventor, I hereby declare that this Declaration is directed to:

TITLE: Method of diagnosing cancer using a nucleolin specific aptamer

the specification of which: (complete (a), (b) or (c))

(a) ☒ is attached hereto.

(b) ☐ was filed in the U.S. Patent & Trademark Office on _____ and assigned Serial No.: _____
and was amended on _____ (if applicable).

(c) ☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____ (if any).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS,

ASSIGNEE: POSTECH ACADEMY-INDUSTRY FOUNDATION

ADDRESS: San 31, Hyoja-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do 790-784, Republic of Korea

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

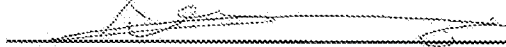
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Address all correspondence and telephone calls to LEXYOUME IP MEISTER, PLLC., 5180 Parkstone Drive, Suite 175, Chantilly, Virginia 20151; Telephone: (703) 263-9390; Fax: (703) 263-9361, Customer No. 66390.

FIRST INVENTOR: LEE, Jung Hwan

Signature: _____ Date: _____

SECOND INVENTOR: KIM, Soon Hag

Signature:  Date: Sep. 13, 2013

THIRD INVENTOR: KWON, Mi-Jin

Signature: _____ Date: _____

FOURTH INVENTOR: KANG, Hyungu

Signature: _____ Date: _____

FIFTH INVENTOR: RYU, Sung Ho

Signature: _____ Date: _____

SIXTH INVENTOR: KIM, Jong In

Signature: _____ Date: _____

SEVENTH INVENTOR: KIM, Youndong

Signature: _____ Date: _____

EIGHTH INVENTOR: CHAE, Young Chan

Signature: _____ Date: _____

NINTH INVENTOR: JANG, Sung Key

Signature: _____ Date: _____

TENTH INVENTOR: IM, Jong Hun

Signature: _____ Date: _____

ELEVENTH INVENTOR: LEE, Sun Hak

Signature: _____ Date: _____

TWELFTH INVENTOR: LEE, Hye Jung

Signature: _____ Date: _____

THIRTEENTH INVENTOR: JANG, Eun Jung

Signature: _____ Date: _____

FOURTEENTH INVENTOR: KIM, Ki Seok

Signature: _____ Date: _____

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

As the below named inventor, I hereby declare that this Declaration is directed to:

TITLE: Method of diagnosing cancer using a nucleolin specific aptamer

the specification of which: (complete (a), (b) or (c))

(a) ☒ is attached hereto.

(b) ☐ was filed in the U.S. Patent & Trademark Office on _____ and assigned Serial No.: _____
and was amended on _____ (if applicable).

(c) ☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____ (if any).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS,

ASSIGNEE: POSTECH ACADEMY-INDUSTRY FOUNDATION

ADDRESS: San 31, Hyoja-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do 790-784, Republic of Korea

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Address all correspondence and telephone calls to LEXYOUME IP MEISTER, PLLC., 5180 Parkstone Drive, Suite 175, Chantilly, Virginia 20151; Telephone: (703) 263-9390; Fax: (703) 263-9361, Customer No. 66390.

FIRST INVENTOR: LEE, Jung Hwan

Signature: _____ Date: _____

SECOND INVENTOR: KIM, Soon Hag

Signature: _____ Date: _____

THIRD INVENTOR: KWON, Mi-Jin

Signature: KWON. MJ Date: 2013 9 20

FOURTH INVENTOR: KANG, Hyungu

Signature: _____ Date: _____

FIFTH INVENTOR: RYU, Sung Ho

Signature: _____ Date: _____

SIXTH INVENTOR: KIM, Jong In

Signature: _____ Date: _____

SEVENTH INVENTOR: KIM, Youndong

Signature: _____ Date: _____

EIGHTH INVENTOR: CHAE, Young Chan

Signature: _____ Date: _____

NINTH INVENTOR: JANG, Sung Key

Signature: _____ Date: _____

TENTH INVENTOR: IM, Jong Hun

Signature: _____ Date: _____

ELEVENTH INVENTOR: LEE, Sun Hak

Signature: _____ Date: _____

TWELFTH INVENTOR: LEE, Hye Jung

Signature: _____ Date: _____

THIRTEENTH INVENTOR: JANG, Eun Jung

Signature: _____ Date: _____

FOURTEENTH INVENTOR: KIM, Ki Seok

Signature: _____ Date: _____

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

As the below named inventor, I hereby declare that this Declaration is directed to:

TITLE: Method of diagnosing cancer using a nucleolin specific aptamer

the specification of which: (complete (a), (b) or (c))

(a) ☒ is attached hereto.

(b) ☐ was filed in the U.S. Patent & Trademark Office on _____ and assigned Serial No.: _____
and was amended on _____ (if applicable).

(c) ☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____ (if any).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS,

ASSIGNEE: POSTECH ACADEMY-INDUSTRY FOUNDATION

ADDRESS: San 31, Hyoja-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do 790-784, Republic of Korea

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Address all correspondence and telephone calls to LEXYOU MEISTER, PLLC., 5180 Parkstone Drive, Suite 175, Chantilly, Virginia 20151; Telephone: (703) 263-9390; Fax: (703) 263-9361, Customer No. 66390.

FIRST INVENTOR: LEE, Jung Hwan

Signature: _____ Date: _____

SECOND INVENTOR: KIM, Soon Hag

Signature: _____ Date: _____

THIRD INVENTOR: KWON, Mi-Jin

Signature: _____ Date: _____

FOURTH INVENTOR: KANG, Hyungu

Signature: 78 83 Date: 22-09-2013

FIFTH INVENTOR: RYU, Sung Ho

Signature: _____ Date: _____

SIXTH INVENTOR: KIM, Jong In

Signature: _____ Date: _____

SEVENTH INVENTOR: KIM, Youndong

Signature: _____ Date: _____

EIGHTH INVENTOR: CHAE, Young Chan

Signature: _____ Date: _____

NINTH INVENTOR: JANG, Sung Key

Signature: _____ Date: _____

TENTH INVENTOR: IM, Jong Hun

Signature: _____ Date: _____

ELEVENTH INVENTOR: LEE, Sun Hak

Signature: _____ Date: _____

TWELFTH INVENTOR: LEE, Hye Jung

Signature: _____ Date: _____

THIRTEENTH INVENTOR: JANG, Eun Jung

Signature: _____ Date: _____

FOURTEENTH INVENTOR: KIM, Ki Seok

Signature: _____ Date: _____

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

As the below named inventor, I hereby declare that this Declaration is directed to:

TITLE: Method of diagnosing cancer using a nucleolin specific aptamer

the specification of which: (complete (a), (b) or (c))

(a) ☒ is attached hereto.

(b) ☐ was filed in the U.S. Patent & Trademark Office on _____ and assigned Serial No.: _____ and was amended on _____ (if applicable).

(c) ☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ (if any).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS,

ASSIGNEE: POSTECH ACADEMY-INDUSTRY FOUNDATION

ADDRESS: San 31, Hyoja-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do 790-784, Republic of Korea

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Address all correspondence and telephone calls to LEXYOUME IP MEISTER, PLLC., 5180 Parkstone Drive, Suite 175, Chantilly, Virginia 20151; Telephone: (703) 263-9390; Fax: (703) 263-9361, Customer No. 66390.

FIRST INVENTOR: LEE, Jung Hwan

Signature: _____ Date: _____

SECOND INVENTOR: KIM, Soon Hag

Signature: _____ Date: _____

THIRD INVENTOR: KWON, Mi-Jin

Signature: _____ Date: _____

FOURTH INVENTOR: KANG, Hyungu

Signature: _____ Date: _____

FIFTH INVENTOR: RYU, Sung Ho

Signature: _____ Date: _____

SIXTH INVENTOR: KIM, Jong In

Signature: _____ Date: _____

SEVENTH INVENTOR: KIM, Youndong

Signature: [Signature] Date: Sep/23/2013

EIGHTH INVENTOR: CHAE, Young Chan

Signature: _____ Date: _____

NINTH INVENTOR: JANG, Sung Key

Signature: _____ Date: _____

TENTH INVENTOR: IM, Jong Hun

Signature: _____ Date: _____

ELEVENTH INVENTOR: LEE, Sun Hak

Signature: _____ Date: _____

TWELFTH INVENTOR: LEE, Hye Jung

Signature: _____ Date: _____

THIRTEENTH INVENTOR: JANG, Eun Jung

Signature: _____ Date: _____

FOURTEENTH INVENTOR: KIM, Ki Seok

Signature: _____ Date: _____

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

As the below named inventor, I hereby declare that this Declaration is directed to:

TITLE: Method of diagnosing cancer using a nucleolin specific aptamer

the specification of which: (complete (a), (b) or (c))

(a) ☒ is attached hereto.

(b) ☐ was filed in the U.S. Patent & Trademark Office on _____ and assigned Serial No.: _____
and was amended on _____ (if applicable).

(c) ☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____ (if any).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS,

ASSIGNEE: POSTECH ACADEMY-INDUSTRY FOUNDATION

ADDRESS: San 31, Hyoja-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do 790-784, Republic of Korea

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Address all correspondence and telephone calls to LEXYOUNE IP MEISTER, PLLC., 5180 Parkstone Drive, Suite 175, Chantilly, Virginia 20151; Telephone: (703) 263-9390; Fax: (703) 263-9361, Customer No. 66390.

FIRST INVENTOR: LEE, Jung Hwan

Signature: _____ Date: _____

SECOND INVENTOR: KIM, Soon Hag

Signature: _____ Date: _____

THIRD INVENTOR: KWON, Mi-Jin

Signature: _____ Date: _____

FOURTH INVENTOR: KANG, Hyungu

Signature: _____ Date: _____

FIFTH INVENTOR: RYU, Sung Ho

Signature: _____ Date: _____

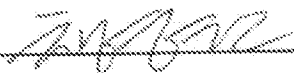
SIXTH INVENTOR: KIM, Jong In

Signature: _____ Date: _____

SEVENTH INVENTOR: KIM, Youndong

Signature: _____ Date: _____

EIGHTH INVENTOR: CHAE, Young Chan

Signature:  Date: Sep. 14, 2013

NINTH INVENTOR: JANG, Sung Key

Signature: _____ Date: _____

TENTH INVENTOR: IM, Jong Hun

Signature: _____ Date: _____

ELEVENTH INVENTOR: LEE, Sun Hak

Signature: _____ Date: _____

TWELFTH INVENTOR: LEE, Hye Jung

Signature: _____ Date: _____

THIRTEENTH INVENTOR: JANG, Eun Jung

Signature: _____ Date: _____

FOURTEENTH INVENTOR: KIM, Ki Seok

Signature: _____ Date: _____

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

As the below named inventor, I hereby declare that this Declaration is directed to:

TITLE: Method of diagnosing cancer using a nucleolin specific aptamer

the specification of which: (complete (a), (b) or (c))

(a) ☒ is attached hereto.

(b) ☐ was filed in the U.S. Patent & Trademark Office on _____ and assigned Serial No.: _____
and was amended on _____ (if applicable).

(c) ☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____ (if any).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS,

ASSIGNEE: POSTECH ACADEMY-INDUSTRY FOUNDATION

ADDRESS: San 31, Hyoja-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do 790-784, Republic of Korea

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Address all correspondence and telephone calls to LEXYOUME IP MEISTER, PLLC., 5180 Parkstone Drive, Suite 175, Chantilly, Virginia 20151; Telephone: (703) 263-9390; Fax: (703) 263-9361, Customer No. 66390.

FIRST INVENTOR: LEE, Jung Hwan

Signature: _____ Date: _____

SECOND INVENTOR: KIM, Soon Hag

Signature: _____ Date: _____

THIRD INVENTOR: KWON, Mi-Jin

Signature: _____ Date: _____

FOURTH INVENTOR: KANG, Hyungu

Signature: _____ Date: _____

FIFTH INVENTOR: RYU, Sung Ho

Signature: _____ Date: _____

SIXTH INVENTOR: KIM, Jong In

Signature: _____ Date: _____

SEVENTH INVENTOR: KIM, Youndong

Signature: _____ Date: _____

EIGHTH INVENTOR: CHAE, Young Chan

Signature: _____ Date: _____

NINTH INVENTOR: JANG, Sung Key

Signature: _____ Date: _____

TENTH INVENTOR: IM, Jong Hun

Signature: _____ Date: _____

ELEVENTH INVENTOR: LEE, Sun Hak

Signature: 이성하 Date: 2013-09-23

TWELFTH INVENTOR: LEE, Hye Jung

Signature: _____ Date: _____

THIRTEENTH INVENTOR: JANG, Eun Jung

Signature: _____ Date: _____

FOURTEENTH INVENTOR: KIM, Ki Seok

Signature: _____ Date: _____

COMBINED DECLARATION AND ASSIGNMENT (37 CFR 1.63)

As the below named inventor, I hereby declare that this Declaration is directed to:

TITLE: Method of diagnosing cancer using a nucleolin specific aptamer

the specification of which: (complete (a), (b) or (c))

(a) ☒ is attached hereto.

(b) ☐ was filed in the U.S. Patent & Trademark Office on _____ and assigned Serial No.: _____
and was amended on _____ (if applicable).

(c) ☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____ (if any).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS,

ASSIGNEE: POSTECH ACADEMY-INDUSTRY FOUNDATION

ADDRESS: San 31, Hyoja-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do 790-784, Republic of Korea

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Address all correspondence and telephone calls to LEXYOUME IP MEISTER, PLLC., 5180 Parkstone Drive, Suite 175, Chantilly, Virginia 20151; Telephone: (703) 263-9390; Fax: (703) 263-9361, Customer No. 66390.

FIRST INVENTOR: LEE, Jung Hwan

Signature: _____ Date: _____

SECOND INVENTOR: KIM, Soon Hag

Signature: _____ Date: _____

THIRD INVENTOR: KWON, Mi-Jin

Signature: _____ Date: _____

FOURTH INVENTOR: KANG, Hyungu

Signature: _____ Date: _____

FIFTH INVENTOR: RYU, Sung Ho

Signature: _____ Date: _____

SIXTH INVENTOR: KIM, Jong In

Signature: _____ Date: _____

SEVENTH INVENTOR: KIM, Youndong

Signature: _____ Date: _____

EIGHTH INVENTOR: CHAE, Young Chan

Signature: _____ Date: _____

NINTH INVENTOR: JANG, Sung Key

Signature: _____ Date: _____

TENTH INVENTOR: IM, Jong Hun

Signature: _____ Date: _____

ELEVENTH INVENTOR: LEE, Sun Hak

Signature: _____ Date: _____


TWELFTH INVENTOR: LEE, Hye Jung

Signature: _____ Date: _____

THIRTEENTH INVENTOR: JANG, Eun Jung

Signature: _____ Date: _____

FOURTEENTH INVENTOR: KIM, Ki Seok

Signature:  Date: 23/9/2013