

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANINDITA CHAKRABARTY	03/05/2015
ARIELLA HANKER	03/04/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EXELIXIS, INC.
<b>Street Address:</b>	210 EAST GRAND AVENUE
<b>City:</b>	SOUTH SAN FRANCISCO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94080
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13809002
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(269)337-7701
<i>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.</i>	
<b>Email:</b>	patents@honigman.com
<b>Correspondent Name:</b>	HEIDI M. BERVEN
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<b>Address Line 4:</b>	KALAMAZOO, MICHIGAN 49007
<b>ATTORNEY DOCKET NUMBER:</b>	224990/10-009CUS/335377
<b>NAME OF SUBMITTER:</b>	HEIDI M. BERVEN
<b>SIGNATURE:</b>	//Heidi M. Berven//
<b>DATE SIGNED:</b>	03/13/2015
<b>Total Attachments: 4</b>	
source=224990_10-009C-US_335377_Assignments#page1.tif	
source=224990_10-009C-US_335377_Assignments#page2.tif	
source=224990_10-009C-US_335377_Assignments#page3.tif	
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ASSIGNMENT

WHEREAS I/we, Carlos L. Arteaga, Anindita Chakrabarty, and Ariella Hanker, have previously entered into an agreement with Vanderbilt University, Nashville, TN, to assign all of my/our rights, title and interest in and to any and all inventions made or conceived or reduced to practice during the course of my/our employment with Vanderbilt, and further agreed to execute additional assignment documents to assist Vanderbilt with respect to its proprietary rights, and wherein I/we, during the course of my/our employment with Vanderbilt have invented **Combinations of Kinase Inhibitors for the Treatment of Cancer** (hereinafter "Invention"), disclosed in an application for United States patent, United States Serial No. 13/809,002, which is a United States National Phase filing of PCT/US2011/043401, filed July 8, 2011, which claims priority to U.S. Provisional Application No. 61/363,074, filed July 9, 2010, and to U.S. Provisional Application No. 61/421,929, filed December 10, 2010, both of which are incorporated herein by reference.

Whereas Vanderbilt University, 305 Kirkland Hall, 2201 West End Avenue Nashville, TN 37240 (hereinafter referred to as Assignee) is desirous of obtaining an assignment document that indicates that it has received all the right, title and interest to said Invention.

Now, therefore, and in consideration of my/our employment and compensation paid to me/us by Assignee and other good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, I/we have assigned to said Assignee and said Assignee's legal representatives, successors and assigns, the entire right, title, and interest (a) in and to said application and said Invention; (b) in and to all rights to apply for foreign patents on said invention; (c) in and to any and all applications filed and any and all patents granted on said Invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation or nonprovisional 37 CFR 1.53(b) application of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents; and I/we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned Assignee agreeably with the terms of this agreement.

I/we hereby authorize the above-mentioned Assignee or its legal representative to insert in this instrument the filing date and serial number of said application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

I/we have conveyed to said Assignee the entire right to make application in its own behalf for protection of said Invention in countries foreign to the United States and where expedient to claim under the International Convention or other international arrangement for any such application the date of the said United States application (or other application if any there be) in priority to other applications; and we have agreed that we will at any time upon request, without further or additional compensation or

additional consideration, but at the expense of the said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable or perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, renewal, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or chose in action accruing as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of both parties.

WITNESS my hand and seal this \_\_\_\_ day of \_\_\_\_\_, 2015.

\_\_\_\_\_  
Carlos L. Arteaga

State of Tennessee )  
)ss.  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_, Notary Public, personally appeared Carlos L. Arteaga, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Tennessee that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_  
(Signature of Notary)

(Seal of Notary)

-----OR-----  
WITNESS my hand and seal this \_\_\_\_ day of \_\_\_\_\_, 2015.

\_\_\_\_\_  
Carlos L. Arteaga

Witnessed by:  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Witnessed by:  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Address: \_\_\_\_\_

WITNESS my hand and seal this 5<sup>th</sup> day of March, 2015.

Anindita Chakrabarty  
Anindita Chakrabarty

State of Tennessee )  
 )ss.  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_, Notary Public, personally appeared Anindita Chakrabarty, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Tennessee that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_  
(Signature of Notary)

(Seal of Notary)

-----OR-----  
WITNESS my hand and seal this 5<sup>th</sup> day of March, 2015.

Anindita Chakrabarty  
Anindita Chakrabarty

Witnessed by:  
Signature: Sreeraj  
Date: 05-03-2015  
Printed Name: SREERAJ SURENDRAN  
Address: SHIV-NADAR - UNIVERSITY

Witnessed by:  
Signature: Tasadda Hussain Wani  
Date: 05-03-2015  
Printed Name: TASADDA-HUSSAIN-WANI  
Address: SHIV-NADAR - UNIVERSITY

WITNESS my hand and seal this 4 day of March, 2015.

Ariella Hanker  
Ariella Hanker

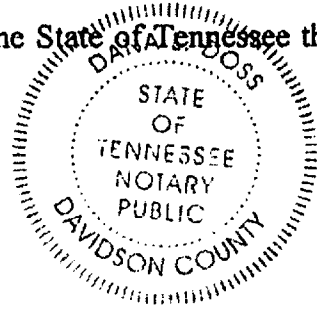
State of Tennessee )  
County of Davidson )ss.

On 4th day of March, 2015 before me, Dana L. Doss, Notary Public, personally appeared Ariella Hanker, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Tennessee that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Dana L. Doss  
(Signature of Notary)



(Seal of Notary)

My Commission Expires 10/8/2016 OR

WITNESS my hand and seal this \_\_\_ day of \_\_\_\_\_, 2015.

\_\_\_\_\_  
Ariella Hanker

Witnessed by:  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Witnessed by:  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Address: \_\_\_\_\_