

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>Jeonghoon Sun</td><td>06/24/2008</td></tr><tr><td>Lei-Ting Tony Tam</td><td>06/24/2008</td></tr><tr><td>HQ Han</td><td>07/11/2008</td></tr><tr><td>Keith Soo-Nyung Kwak</td><td>06/24/2008</td></tr><tr><td>Xiaolan Zhou</td><td>06/26/2008</td></tr></tbody></table>	Name	Execution Date	Jeonghoon Sun	06/24/2008	Lei-Ting Tony Tam	06/24/2008	HQ Han	07/11/2008	Keith Soo-Nyung Kwak	06/24/2008	Xiaolan Zhou	06/26/2008	
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Xiaolan Zhou	06/26/2008												
RECEIVING PARTY DATA													
Name:	Amgen Inc.												
Street Address:	One Amgen Center Drive												
Internal Address:	Law Department												
City:	Thousand Oaks												
State/Country:	CALIFORNIA												
Postal Code:	91320-1799												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12074877</td></tr></tbody></table>	Property Type	Number	Application Number:	12074877									
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Application Number:	12074877												
CORRESPONDENCE DATA													
Fax Number:	(206)233-0644												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	206-265-7000												
Email:	prindlek@amgen.com												
Correspondent Name:	Kathleen Prindle												
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Address Line 4:	Seattle, WASHINGTON 98119-3105												
ATTORNEY DOCKET NUMBER:	A-1219-US-NP												
NAME OF SUBMITTER:	Christine M. Bellas												

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PATENT

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REEL: 021410 FRAME: 0292

Total Attachments: 5

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ASSIGNMENT

Whereas, we, Jeonghoon SUN, residing at 4340 Camino De La Rosa, Thousand Oaks, California 91320, USA

Lei-Ting Tony TAM, residing at 3427 Indian Ridge Circle, Thousand Oaks, California 91362, USA

HQ HAN, residing at 3353 Crossland Street, Thousand Oaks, California 91362, USA

Keith Soo-Nyung KWAK, residing at 1588 Blue Canyon Street, Thousand Oaks, California 91320, USA

Xiaolan ZHOU, residing at 3876 Rodene Street, Newbury Park, California 91320, USA

have made an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled

VARIANT ACTIVIN RECEPTOR POLYPEPTIDES AND USES THEREOF

which is found in:

- ☐ (a) the US Patent Application executed on even date herewith; [which claims the benefit of U.S. Provisional Application No. _____ filed _____.]
- ☐ (b) the US Patent Application executed on _____ which claims the benefit of U.S. Provisional Application No. _____, filed _____.
- ☒ (c) US Application Serial No.: 12/074,877 filed on March 5, 2008 which claims the benefit of US Provisional Application No. 61/065,474, filed February 11, 2008; and US Provisional Application No. 60/905,459, filed March 6, 2007.
- ☐ (d) US Patent No.: _____

Whereas AMGEN INC., a Delaware corporation having its principal place of business at One Amgen Center Drive, Thousand Oaks, California, 91320-1799, wishes to acquire the entire interest in all inventions disclosed in such Application:

Now, therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over unto AMGEN INC., its successors and assigns (collectively "AMGEN") our entire right, title and interest in, to and under the Application, and any provisional application(s) from which Application is derived, and all priority rights to which the Application may be entitled, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, and/or continuation-in-part applications based on the above-identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by AMGEN for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

Further, we hereby sell, assign, transfer, and set over unto AMGEN our entire right, title and interest in or to the right to refer to, to access, and to control microorganism(s) or other biological material(s) related to the Application and which are deposited by us or at our direction or deposited on our behalf by AMGEN, its affiliates, employees or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, our unreserved and irrevocable consent and authorization to AMGEN to refer to the deposited microorganisms(s) or other biological materials(s) in the Application and the right to make available to the public the deposited material in accordance with the laws, treaties, statutes, rules, regulations and the like of the United States, all other countries, and any patent granting authority or organization.

We authorize and request the Commissioner of Patents and Trademarks of the United States to issue any such Letters Patent which may be granted on the Application to AMGEN as assignee of the entire right, title and interest therein and thereto.

For ourselves and for our legal representatives, we covenant and agree with AMGEN that we have not granted to any others any license to make, use or sell any of such inventions, that our right title and interest in such inventions has not been encumbered, that we have good right and title to sell and assign the same, and that we will not execute any instrument in conflict herewith.

For ourselves and for our heirs, successors and legal representatives, we further covenant and agree with AMGEN that upon request we and they will: (i) execute continuing, divisional or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to AMGEN any facts known to us or them relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigations; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for AMGEN, may be necessary or desirable to secure the grant of Letters Patent to AMGEN or its nominees, in the United States and in all other countries where AMGEN may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for AMGEN and to vest and confirm in AMGEN or its nominees, the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid but at the expense of AMGEN.

In Witness Whereof I have executed this assignment on the 24 day of June 20 08

Jeonghoon Sun
(Name of Inventor)

[Signature]

(Signature of Inventor)

UNITED STATES OF AMERICA

State of California

County of Ventura

ss:

June 24

2008

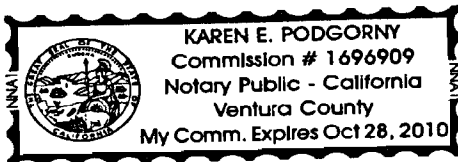
Before me, a Notary Public for Ventura County, State of California, personally appeared

Jeonghoon Sun

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 California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



[Signature]

Notary Public

My commission expires

October 28

20 10

In Witness Whereof I have executed this assignment on the 24 day of June 20 08

Lei-Ting Tony Tam
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of California

County of Ventura

ss:

6/24/08

6/24/08 ^{KP} 2008

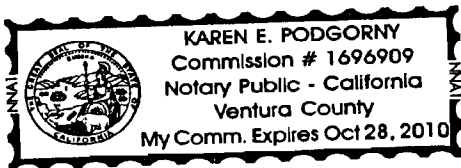
Before me, a Notary Public for Ventura County, State of California, personally appeared

Lei-Ting Tony Tam

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 California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Karen E. Podgorny
Notary Public
My commission expires
October 28 20 10

In Witness Whereof I have executed this assignment on the _____ day of 7/11/08 20 08

HQ Han
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of California

County of Ventura

ss:

July 11, 2008

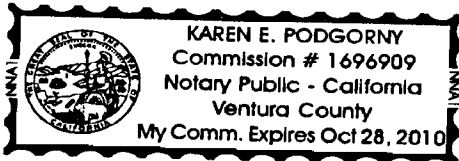
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HQ Han

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Karen E. Podgorny
Notary Public
My commission expires
October 28 20 10

In Witness Whereof I have executed this assignment on the 24 day of June 20 08

Keith Soo-Nyung Kwak
(Name of Inventor)

Keith Soo-Nyung Kwak
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }
County of Ventura } ss:

June 24 2008

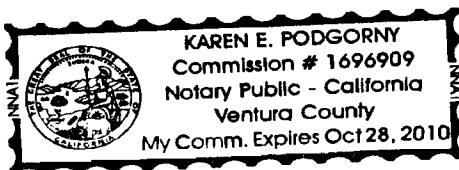
Before me, a Notary Public for Ventura County, State of California, personally appeared

Keith Soo-Nyung Kwak

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.

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WITNESS my hand and official seal.



Karen E. Podgorny
Notary Public
My commission expires
October 28 20 10

In Witness Whereof I have executed this assignment on the 26 day of June 20 08

Xiaolan Zhou
(Name of Inventor)

[Signature]
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California

County of Ventura

} ss:

June 26 2008

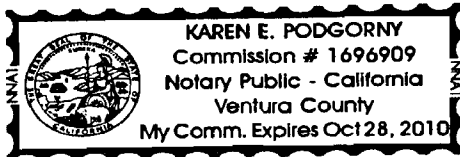
Before me, a Notary Public for Ventura County, State of California, personally appeared

Xiaolan Zhou

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WITNESS my hand and official seal.



Karen E. Podgorny
Notary Public
My commission expires
October 28 20 10