

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| Qiufen XUE | 02/13/2007 |
| Brian K. ALBRECHT | 02/15/2007 |
| Denise Lyn ANDERSEN | 02/13/2007 |
| Michael D. BARTBERGER | 02/13/2007 |
| James BROWN | 02/13/2007 |
| Ryan BROWN | 02/15/2007 |
| Stuart C. CHAFFEE | 02/22/2007 |
| Yuang CHENG | 02/13/2007 |
| Michael CROGHAN | 03/02/2007 |
| Russell GRACEFFA | 02/12/2007 |
| Scott HARRIED | 03/02/2007 |
| Stephen HITCHCOCK | 02/07/2007 |
| Randall HUNGATE | 03/02/2007 |
| Ted JUDD | 02/13/2007 |
| Matthew KALLER | 02/13/2007 |
| Charles KREIMAN | 02/15/2007 |
| Daniel LA | 02/15/2007 |
| Patricia LOPEZ | 02/13/2007 |
| Craig E. MASSE | 02/15/2007 |
| Holger MONENSCHIN | 02/13/2007 |
| Thomas NGUYEN | 02/13/2007 |
| Thomas NIXEY | 02/07/2007 |
| Vinod F. PATEL | 02/09/2007 |
| Lewis PENNINGTON | 03/02/2007 |
| Matthew WEISS | 02/15/2007 |
| Bryant YANG | 02/16/2007 |
| Wenge ZHONG | 02/13/2007 |

RECEIVING PARTY DATA

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PATENT

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REEL: 019669 FRAME: 0100

CH \$40.00 11599901

| | |
|-------------------|-------------------------------|
| Name: | Amgen Inc. |
| Street Address: | One Amgen Center Drive |
| Internal Address: | Patent Operations, M/S 28-2-C |
| City: | Thousand Oaks |
| State/Country: | CALIFORNIA |
| Postal Code: | 91320-1799 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11599901 |

CORRESPONDENCE DATA

Fax Number: (805)499-8011
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 805/447-3288
 Email: annd@amgen.com
 Correspondent Name: Amgen Inc., Pubby Reddy
 Address Line 1: One Amgen Center Drive
 Address Line 2: Patent Operations, M/S 28-2-C
 Address Line 4: Thousand Oaks, CALIFORNIA 91320-1799

| | |
|-------------------------|------------------|
| ATTORNEY DOCKET NUMBER: | A-1050-US-NP/GPR |
| NAME OF SUBMITTER: | Anne Hosier |

Total Attachments: 116

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ASSIGNMENT

Whereas, we, Qiufen Xue, 5018 Via Mesita, Newbury Park, California, 91320, US
Brian K. Albrecht, 179 Chestnut Street, #2, Cambridge, Massachusetts, 02139, US
Denise Lyn Andersen, 253 Goldenwood Circle, Simi Valley, California, 93065
Michael D. Bartberger, 4471 Ventura Canyon Ave. #D-105, Sherman Oaks, 91423, California, US
James Brown, 4438 Appleglen Court, Moorepark, California, 93021, US
Ryan Brown, 31 Ima Avenue, Floor 2, Watertown, Massachusetts 02472, US
Stuart C. Chaffee, 259 South 20th Street, Apt. 3F, Philadelphia, Pennsylvania, 19103, US
Yuang Cheng, 5329 Via Jacinto, Newbury Park, California, 91320, US
Michael Croghan, 233 McAfee Court, Thousand Oaks, California, 91360, US
Russell Graceffa, 2 Wingate Street, Hampton, New Hampshire, 03842, US
Scott Harried, 22248 Archwood Street, Woodland Hills, California, 91303, US
Stephen Hitchcock, 2256 Kirsten Lee Drive, Westlake Village, California, 91361, US
Randall Hungate, 640 W. Highland Drive, Camarillo, California 93010, US
Ted Judd, 610 Geranium Lane, Unit A, Simi Valley, California, 93065, US
Matthew Kaller, 484 Jones Street, Ventura, California, 93003, US
Charles Kreiman, 49 Boylston Street, Massachusetts, 02472, US
Daniel La, 124 Park Street #3, Brookline, Massachusetts, 02446, US
Patricia Lopez, 22644 Saticoy Street, West Hills, California, 91307, US
Craig E. Masse, 122 Hamilton Street, Apt #2, Cambridge, Massachusetts, 02139, US
Holger Monenschein, 711 Hunt Circle, Camarillo, California, 93010, US
Thomas Nguyen, 468 Calle Veracruz, Thousand Oaks, California, 91320, US
Thomas Nixey, 4554 Via Laguna, Newbury Park, California, 91320
Vinod F. Patel, 3 Mossey Lane, Acton, Massachusetts, 01720, US
Lewis Pennington, 177 Poli Street, Ventura, California, 93001, US
Matthew Weiss, 171 Marlborough Street #1, Boston, Massachusetts, 02116, US
Bryant Yang, 637 Warrendale Avenue, Simi Valley, California, 93065, US
Wenge Zhong, 2921 Venezia Lane, Thousand Oaks, California, 91362, US

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

BETA-SECRETASE MODULATORS AND METHODS OF USE

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.: 11/599,901 filed on 14 Nov 2006
which claims the benefit of U.S. Provisional Application No. 60/738,766, filed 21 November 2005.
- ☐ (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 _____ day of _____ 20____

Brian K. Albrecht

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Denise Lyn Andersen

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Michael D. Bartberger

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

James Brown

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Ryan Brown

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the 22 day of FEBRUARY 20 07

Stuart C. Chaffee

(Signature of Inventor)

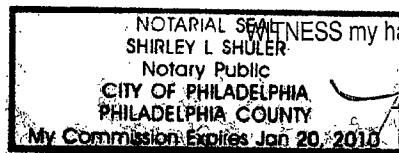
UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

_____ 20 _____

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☐ personally known to me - OR - ☐ 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.



Notary Public

My commission expires

_____ 20 10

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Yuang Cheng

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Michael Croghan

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Russell Graceffa

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss: _____

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Scott Harried

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

_____ 20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

_____ 20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Stephen Hitchcock

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

20 _____

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☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Randall Hungate

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Ted Judd

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Matthew Kaller

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Charles Kreiman

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

_____ 20 _____

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☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

_____ 20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Daniel La

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Patricia Lopez

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

20 _____

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

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WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Craig E. Masse

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss: _____

20 _____

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

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Notary Public

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20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Holger Monenschein

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

_____ 20 _____

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Notary Public

My commission expires

_____ 20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Thomas Nguyen

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Thomas Nixey

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Vinod F. Patel

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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

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WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Lewis Pennington

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20 _____

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

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WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Matthew Weiss

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Bryant Yang

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Wenge Zong

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Qiufen Xue
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }
County of Ventura } ss:

20____

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WITNESS my hand and official seal.

Notary Public

My commission expires

20____

ASSIGNMENT

Whereas, we, Qiufen Xue, 5018 Via Mesita, Newbury Park, California, 91320, US
Brian K. Albrecht, 179 Chestnut Street, #2, Cambridge, Massachusetts, 02139, US
Denise Lyn Andersen, 253 Goldenwood Circle, Simi Valley, California, 93065
Michael D. Bartberger, 4471 Ventura Canyon Ave. #D-105, Sherman Oaks, 91423, California, US
James Brown, 4438 Appleglen Court, Moorepark, California, 93021, US
Ryan Brown, 31 Irma Avenue, Floor 2, Watertown, Massachusetts 02472, US
Stuart C. Chaffee, 259 South 20th Street, Apt. 3F, Philadelphia, Pennsylvania, 19103, US
Yuang Cheng, 5329 Via Jacinto, Newbury Park, California, 91320, US
Michael Croghan, 233 McAfee Court, Thousand Oaks, California, 91360, US
Russell Graceffa, 2 Wingate Street, Hampton, New Hampshire, 03842, US
Scott Harried, 22248 Archwood Street, Woodland Hills, California, 91303, US
Stephen Hitchcock, 2256 Kirsten Lee Drive, Westlake Village, California, 91361, US
Randall Hungate, 640 W. Highland Drive, Camarillo, California 93010, US
Ted Judd, 610 Geranium Lane, Unit A, Simi Valley, California, 93065, US
Matthew Kaller, 484 Jones Street, Ventura, California, 93003, US
Charles Kreiman, 49 Boylston Street, Massachusetts, 02472, US
Daniel La, 124 Park Street #3, Brookline, Massachusetts, 02446, US
Patricia Lopez, 22644 Saticoy Street, West Hills, California, 91307, US
Craig E. Masse, 122 Hamilton Street, Apt #2, Cambridge, Massachusetts, 02139, US
Holger Monenschein, 711 Hunt Circle, Camarillo, California, 93010, US
Thomas Nguyen, 468 Calle Veracruz, Thousand Oaks, California, 91320, US
Thomas Nixey, 4554 Via Laguna, Newbury Park, California, 91320
Vinod F. Patel, 3 Mossey Lane, Acton, Massachusetts, 01720, US
Lewis Pennington, ~~177 Pol Street, Ventura, California, 93001, US~~ 3456 Antonio Ave, Camarillo, CA 93010 US
Matthew Weiss, 171 Marlborough Street #1, Boston, Massachusetts, 02116, US
Bryant Yang, 637 Warrendale Avenue, Simi Valley, California, 93065, US
Wenge Zhong, 2921 Venezia Lane, Thousand Oaks, California, 91362, US

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

BETA-SECRETASE MODULATORS AND METHODS OF USE

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.: 11/599,901 filed on 14 Nov 2006
which claims the benefit of U.S. Provisional Application No. 60/738,766, filed 21 November 2005.
- ☐ (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 _____ day of _____ 20____

Brian K. Albrecht

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the 13 day of February 20 07

Denise Lyn Andersen

Denise Lyn Andersen
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California
County of Ventura } ss:

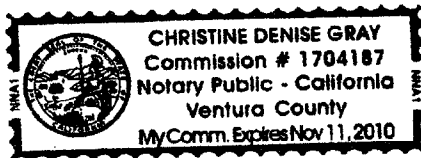
February 13 20 07

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

Denise Lyn Andersen

☐ personally known to me - OR - ☒ 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.

WITNESS my hand and official seal.



Christine Denise Gray
Notary Public

My commission expires

November 11 20 10

In Witness Whereof I have executed this assignment on the 13th day of February 20 07

Michael D. Bartberger

Michael D. Bartberger
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California
County of Ventura } ss:

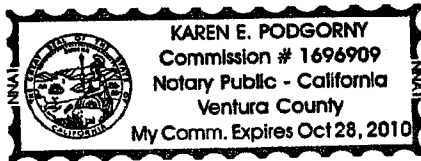
February 13 20 07

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

Michael D. Bartberger

☐ personally known to me - OR - ☒ 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.

WITNESS my hand and official seal.



Karen E. Podgorny
Notary Public

My commission expires

October 28 2010

In Witness Whereof I have executed this assignment on the 13th day of February 20 07

James Brown

[Signature]
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California
County of Ventura } ss:

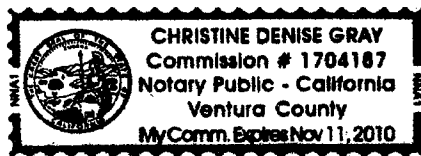
February 13 20 07

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

James Brown

☐ personally known to me - OR - ☒ 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.

WITNESS my hand and official seal.



Christine Denise Gray
Notary Public

My commission expires

November 11 20 10

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Ryan Brown

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Stuart C. Chaffee

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss: _____

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the 13 day of Feb. 20 07Yuang Cheng(Signature of Inventor)

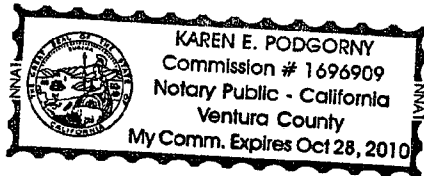
UNITED STATES OF AMERICA

State of California
County of Ventura } ss:February 13 20 07

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

Yuang Cheng☐ personally known to me - OR - ☒ 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.

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

2 day of March 20 07Michael CroghanM. Croghan

(Signature of Inventor)

UNITED STATES OF AMERICA

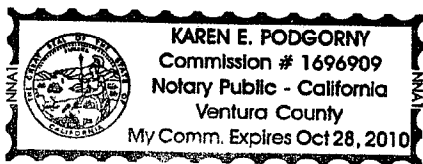
State of California
County of Ventura } ss:March 2 20 07

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

Michael Croghan

☐ personally known to me - OR - ☒ 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.

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 _____ 20 _____

Russell Graceffa

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the

2 day of March 20 07Scott Harried

Scott Harried

Scott Harried

(Signature of Inventor)

UNITED STATES OF AMERICA

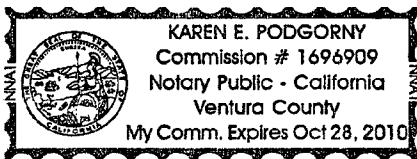
State of California
County of Ventura } ss:March 2 20 07

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

Scott Harried

☐ personally known to me - OR - ☒ 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.

WITNESS my hand and official seal.

Karen E. Podgorny
Notary Public

My commission expires

October 28 2010

In Witness Whereof I have executed this assignment on the

7 day of February 20 07

Stephen Hitchcock

[Signature]
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California
County of Ventura } ss:

February 7 20 07

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

Stephen Hitchcock

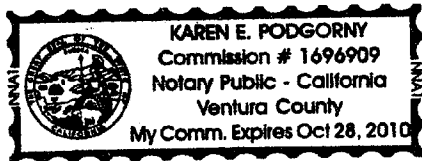
☐ personally known to me - OR - ☒ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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 _____ day of _____ 20 _____

Randall Hungate

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20 _____

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

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WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the 13 day of February 2007Ted Judd(Signature of Inventor)

UNITED STATES OF AMERICA

State of California
County of Ventura } ss:February 13 2007

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

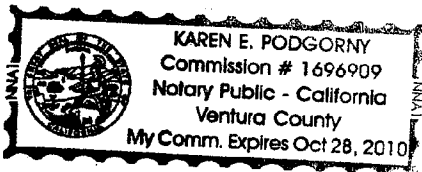
Ted Judd

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WITNESS my hand and official seal.

Karen E. Podgorny
Notary Public

My commission expires

October 28 2010

In Witness Whereof I have executed this assignment on the 13 day of February 20 07

Matthew Kaller

Matthew Kaller
(Signature of Inventor)

UNITED STATES OF AMERICA

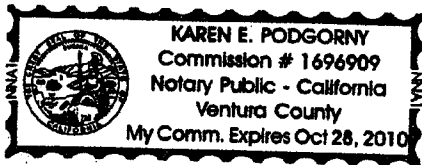
State of California
County of Ventura } ss:

February 13 20 07

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

Matthew Kaller

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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 _____ day of _____ 20 _____

Charles Kreiman

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss: _____

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Daniel La

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss: _____

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the 13 day of FEBRUARY 20 07

Patricia Lopez
 Patricia Lopez

Patricia Lopez
 (Signature of Inventor)

UNITED STATES OF AMERICA

State of California
 County of Ventura } ss:

February 13 20 07

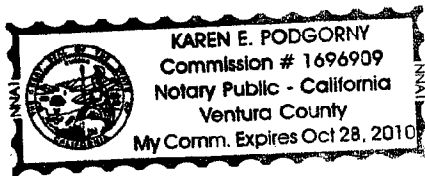
Before me, a Notary Public for State of California, personally appeared

Patricia Lopez

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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 _____ day of _____ 20____

Craig E. Masse

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the

13 day of February 20 07

[Signature]
(Signature of Inventor)

Holger Monenschein

UNITED STATES OF AMERICA

State of California }
County of Ventura } ss:

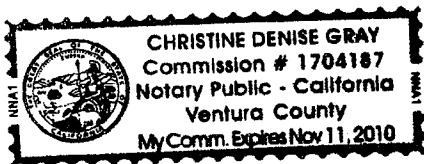
February 13 20 07

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

Holger Monenschein

☐ personally known to me - OR - ☒ 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.

WITNESS my hand and official seal.



[Signature]
Notary Public

My commission expires

November 11 20 10

In Witness Whereof I have executed this assignment on the 13 day of Feb 20 07

Thomas Nguyen

Thomas Nguyen
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California
County of Ventura } ss:

February 13 20 07

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

Thomas Nguyen

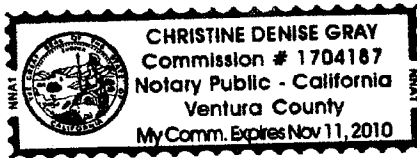
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WITNESS my hand and official seal.

Christine Denise Gray
Notary Public

My commission expires

November 11 20 10



In Witness Whereof I have executed this assignment on the

7 day of February 20 07

Thomas Nixey

T Nixey

(Signature of Inventor)

UNITED STATES OF AMERICA

State of California
County of Ventura } ss:

February 7 20 07

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

Thomas Nixey

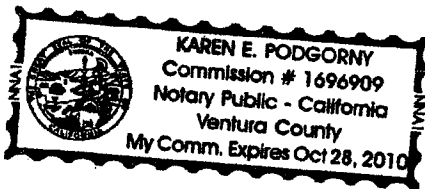
☐ personally known to me - OR - ☒ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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 _____ 20 _____

Vinod F. Patel

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the

2nd day of March 2007Lewis Pennington(Signature of Inventor)

UNITED STATES OF AMERICA

State of California
County of Ventura } ss:March 2 2007

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

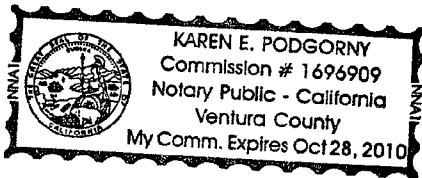
Lewis Pennington

☐ personally known to me - OR - ☒ 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.

WITNESS my hand and official seal.

Karen E. Podgorny
Notary Public

My commission expires

October 28 2010

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Matthew Weiss

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss: _____

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the

16 day of February 20 07Bryant YangBryant Yang
(Signature of Inventor)

UNITED STATES OF AMERICA

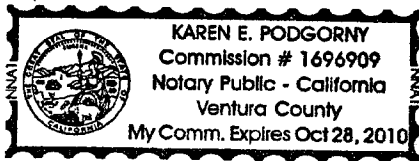
State of California
County of Ventura } ss:February 16 20 07

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

Bryant Yang

☐ personally known to me - OR - ☒ 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.

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

13th day of February 2007_____
Wenge Zong_____
(Signature of Inventor)

UNITED STATES OF AMERICA

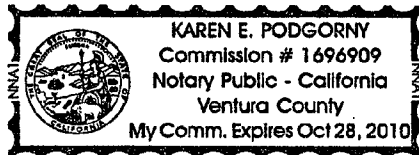
State of California
County of Ventura } ss:February 13 2007

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

Wenge Zong

☐ personally known to me - OR - ☒ 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.

WITNESS my hand and official seal.

Karen E. Podgorny
Notary Public

My commission expires

October 28 2010

In Witness Whereof I have executed this assignment on the 13th day of Feb. 2007

Qiufen Xue
(Name of Inventor)

[Signature]
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }
County of Ventura } ss:

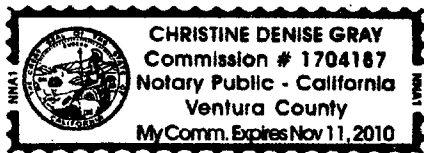
February 13 2007

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

Qiufen Xue

☐ personally known to me - OR - ☒ 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.

WITNESS my hand and official seal.



[Signature]
Notary Public

My commission expires

November 11 2010

ASSIGNMENT

Whereas, we, Qiufen Xue, 5018 Via Mesita, Newbury Park, California, 91320, US

Brian K. Albrecht, 179 Chestnut Street, #2, Cambridge, Massachusetts, 02139, US

Denise Lyn Andersen, 253 Goldenwood Circle, Simi Valley, California, 93065

Michael D. Bartberger, 4471 Ventura Canyon Ave. #D-105, Sherman Oaks, 91423, California, US

James Brown, 4438 Appleglen Court, Moorepark, California, 93021, US

Ryan Brown, 31 Irma Avenue, Floor 2, Watertown, Massachusetts 02472, US

Stuart C. Chaffee, 259 South 20th Street, Apt. 3F, Philadelphia, Pennsylvania, 19103, US

Yuang Cheng, 5329 Via Jacinto, Newbury Park, California, 91320, US

Michael Croghan, 233 McAfee Court, Thousand Oaks, California, 91360, US

Russell Graceffa, 2 Wingate Street, Hampton, New Hampshire, 03842, US

Scott Harried, 22248 Archwood Street, Woodland Hills, California, 91303, US

Stephen Hitchcock, 2256 Kirsten Lee Drive, Westlake Village, California, 91361, US

Randall Hungate, 640 W. Highland Drive, Camarillo, California 93010, US

Ted Judd, 610 Geranium Lane, Unit A, Simi Valley, California, 93065, US

Matthew Kaller, 484 Jones Street, Ventura, California, 93003, US

Charles Kreiman, 49 Boylston Street, Massachusetts, 02472, US

Daniel La, 124 Park Street #3, Brookline, Massachusetts, 02446, US

Patricia Lopez, 22644 Saticoy Street, West Hills, California, 91307, US

Craig E. Masse, 122 Hamilton Street, Apt #2, Cambridge, Massachusetts, 02139, US

Holger Monenschein, 711 Hunt Circle, Camarillo, California, 93010, US

Thomas Nguyen, 468 Calle Veracruz, Thousand Oaks, California, 91320, US

Thomas Nixey, 4554 Via Laguna, Newbury Park, California, 91320

Vinod F. Patel, 3 Mossey Lane, Acton, Massachusetts, 01720, US

Lewis Pennington, 177 Poli Street, Ventura, California, 93001, US

Matthew Weiss, 171 Marlborough Street #1, Boston, Massachusetts, 02116, US

Bryant Yang, 637 Warrendale Avenue, Simi Valley, California, 93065, US

Wenge Zhong, 2921 Venezia Lane, Thousand Oaks, California, 91362, US

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

BETA-SECRETASE MODULATORS AND METHODS OF USE

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.: 11/599,901 filed on 14 Nov 2006
which claims the benefit of U.S. Provisional Application No. 60/738,766, filed 21 November 2005.
- ☐ (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.

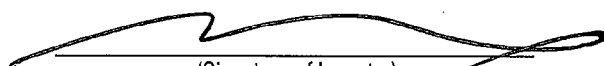
We authorize and request the Commissioner of Patents and Trademarks of the United States to issue any such Letters Patent which may be granted on the Application to AMGEN as assignee of the entire right, title and interest therein and thereto.

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 15 day of Feb 20 07


Brian K. Albrecht


(Signature of Inventor)

UNITED STATES OF AMERICA

State of Massachusetts
County of Ventura ^{DB} ss:
Middlesex

FEB 15 20 07

Before me, a Notary Public for State of Massachusetts ^{DB} personally appeared

BRIAN Albrecht

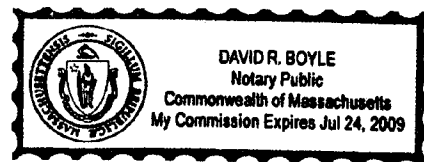
☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


Notary Public

My commission expires

July 24 20 09



In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Denise Lyn Andersen

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Michael D. Bartberger

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

James Brown

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the 15 day of Feb. 2007

Ryan T. Brown
Ryan Brown

[Signature]
(Signature of Inventor)

UNITED STATES OF AMERICA

State of Massachusetts
County of Ventura ss:
Middlesex

Feb 15 2007

Before me, a Notary Public for State of Massachusetts, personally appeared

Ryan T. Brown RB

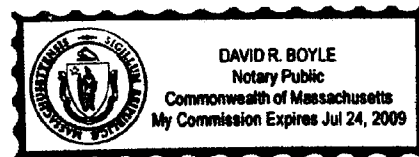
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WITNESS my hand and official seal.

David R Boyle
Notary Public

My commission expires

July 24 2009



In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Stuart C. Chaffee

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Yuang Cheng

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

20____

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

☐ personally known to me - OR - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Michael Croghan

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the 12 day of Feb 20 07

Russell Graceffa
Russell Graceffa

[Signature]
(Signature of Inventor)

UNITED STATES OF AMERICA

State of Massachusetts
County of Ventura ^{SS:}
Middlesex

FEB 12 20 07

Before me, a Notary Public for State of Massachusetts, personally appeared

Russell Graceffa

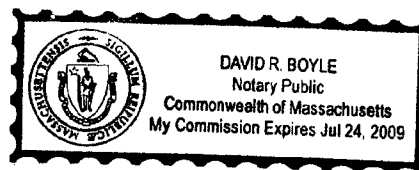
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WITNESS my hand and official seal.

[Signature]
Notary Public

My commission expires

July 24 20 09



In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Scott Harried

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Stephen Hitchcock

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Randall Hungate

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

_____ 20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

_____ 20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Ted Judd

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Matthew Kaller

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the 15 day of February 20 07

Charles Kreiman

Charles Kreiman

Charles Kreiman

(Signature of Inventor)

UNITED STATES OF AMERICA

State of Massachusetts
County of Middlesex

FEB 15 20 07

Before me, a Notary Public for State of Massachusetts personally appeared

Charles Kreiman

☒ personally known to me - OR - ☐ 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.

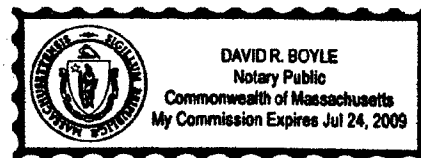
WITNESS my hand and official seal.

David R Boyle

Notary Public

My commission expires

July 24 20 09



In Witness Whereof I have executed this assignment on the 15 day of Feb. 20 07

DANIEL LA
Daniel La

David L
(Signature of Inventor)

UNITED STATES OF AMERICA

State of MASSACHUSETTS
County of Middlesex ss:

FEB 15 20 09

Before me, a Notary Public for State of MASSACHUSETTS, personally appeared

DANIEL LA

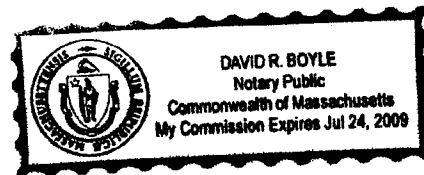
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WITNESS my hand and official seal.

David R Boyle
Notary Public

My commission expires

July 24 20 09



In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Patricia Lopez

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

_____ 20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

_____ 20____

In Witness Whereof I have executed this assignment on the 15 day of February 20 07

CRAIG MASSE

Craig E. Masse

[Signature]
(Signature of Inventor)

UNITED STATES OF AMERICA

State of MASSachusetts

County of Ventura ss:
Middlesex

Feb 15 20 07

Before me, a Notary Public for State of MASSachusetts
Craig E. MASSE ss

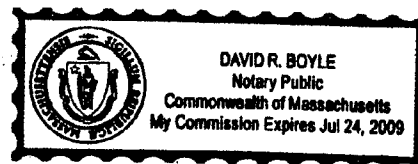
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WITNESS my hand and official seal.

David R Boyle
Notary Public

My commission expires

July 24 20 09



In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Holger Monenschein

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Thomas Nguyen

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Thomas Nixey

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the 9th day of Feb 2007

VINOD F. PATEL

Vinod F. Patel

[Signature]
(Signature of Inventor)

UNITED STATES OF AMERICA

State of MASSACHUSETTS

County of Middlesex ss:

FEB 9 2007

Before me, a Notary Public for State of MASSACHUSETTS, personally appeared

VINOD F. PATEL

☒ personally known to me - OR - ☐

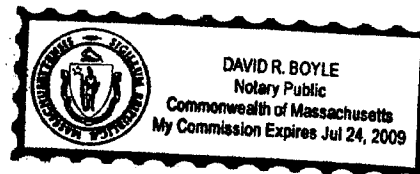
proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]
Notary Public

My commission expires

July 24 2009



In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Lewis Pennington

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the 15 day of FEBRUARY 20 07

MATTHEW WEISS
Matthew Weiss

[Signature]
(Signature of Inventor)

UNITED STATES OF AMERICA

State of Massachusetts

County of Ventura (DB)
Middlesex

FEB 15 20 07

Before me, a Notary Public for State of Massachusetts (DB), personally appeared

MATTHEW WEISS (DB)

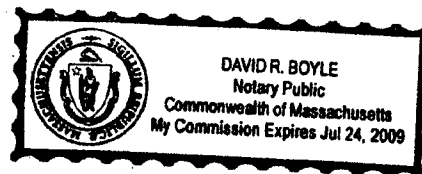
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WITNESS my hand and official seal.

David R Boyle
Notary Public

My commission expires

July 24 20 09



In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Bryant Yang

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20____

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

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WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Wenge Zong

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Qiufen Xue

(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }
County of Ventura } ss:

20____

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WITNESS my hand and official seal.

Notary Public

My commission expires

20____

ASSIGNMENT

Whereas, we, Qiufen Xue, 5018 Via Mesita, Newbury Park, California, 91320, US
Brian K. Albrecht, 179 Chestnut Street, #2, Cambridge, Massachusetts, 02139, US
Denise Lyn Andersen, 253 Goldenwood Circle, Simi Valley, California, 93065
Michael D. Bartberger, 4471 Ventura Canyon Ave. #D-105, Sherman Oaks, 91423, California, US
James Brown, 4438 Appleglen Court, Moorepark, California, 93021, US
Ryan Brown, 31 Irma Avenue, Floor 2, Watertown, Massachusetts 02472, US
Stuart C. Chaffee, 259 South 20th Street, Apt. 3F, Philadelphia, Pennsylvania, 19103, US
Yuang Cheng, 5329 Via Jacinto, Newbury Park, California, 91320, US
Michael Croghan, 233 McAfee Court, Thousand Oaks, California, 91360, US
Russell Graceffa, 2 Wingate Street, Hampton, New Hampshire, 03842, US
Scott Harried, 22248 Archwood Street, Woodland Hills, California, 91303, US
Stephen Hitchcock, 2256 Kirsten Lee Drive, Westlake Village, California, 91361, US
Randall Hungate, 640 W. Highland Drive, Camarillo, California 93010, US
Ted Judd, 610 Geranium Lane, Unit A, Simi Valley, California, 93065, US
Matthew Kaller, 484 Jones Street, Ventura, California, 93003, US
Charles Kreiman, 49 Boylston Street, Massachusetts, 02472, US
Daniel La, 124 Park Street #3, Brookline, Massachusetts, 02446, US
Patricia Lopez, 22644 Saticoy Street, West Hills, California, 91307, US
Craig E. Masse, 122 Hamilton Street, Apt #2, Cambridge, Massachusetts, 02139, US
Holger Monenschein, 711 Hunt Circle, Camarillo, California, 93010, US
Thomas Nguyen, 468 Calle Veracruz, Thousand Oaks, California, 91320, US
Thomas Nixey, 4554 Via Laguna, Newbury Park, California, 91320
Vinod F. Patel, 3 Mossey Lane, Acton, Massachusetts, 01720, US
Lewis Pennington, 177 Poli Street, Ventura, California, 93001, US
Matthew Weiss, 171 Marlborough Street #1, Boston, Massachusetts, 02116, US
Bryant Yang, 637 Warrendale Avenue, Simi Valley, California, 93065, US
Wenge Zhong, 2921 Venezia Lane, Thousand Oaks, California, 91362, US

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

BETA-SECRETASE MODULATORS AND METHODS OF USE

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.: 11/599,901 filed on 14 Nov 2006
which claims the benefit of U.S. Provisional Application No. 60/738,766, filed 21 November 2005.
- ☐ (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 _____ day of _____ 20____

Brian K. Albrecht

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

20____

Before me, a Notary Public for State of Californis, personally appeared

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Denise Lyn Andersen

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

20____

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

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WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Michael D. Bartberger

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

20____

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WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

James Brown

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20____

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WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Ryan Brown

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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

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WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Stuart C. Chaffee

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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

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WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Yuang Cheng

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Michael Croghan

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Russell Graceffa

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of Ventura } ss:

20____

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WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Scott Harried

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20____

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

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WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Stephen Hitchcock

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss: _____

20 _____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the 2nd day of March 20 07

Randall Hungate

Randall Hungate
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California
County of Ventura ss:

San Mateo 3/2/07

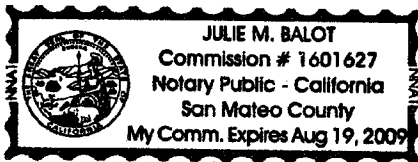
MARCH 2ND 20 07

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

RANDALL W. HUNGATE

☒ personally known to me - OR - ☐ 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.

WITNESS my hand and official seal.



Julie M. Balot
Notary Public

My commission expires

August 19 20 09

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Ted Judd

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20____

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

☐ personally known to me - **OR** - ☐ 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.

WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Matthew Kaller

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Charles Kreiman

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20____

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WITNESS my hand and official seal.

Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Daniel La

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Patricia Lopez

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20____

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Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Craig E. Masse

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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Notary Public

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In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Holger Monenschein

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20____

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Notary Public

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In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Thomas Nguyen

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20____

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Notary Public

My commission expires

20____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Thomas Nixey

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss: _____

20 _____

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20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Vinod F. Patel

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

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Notary Public

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In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Lewis Pennington

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Matthew Weiss

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20 _____

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WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Bryant Yang

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of Ventura } ss:

20____

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Notary Public

My commission expires

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In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Wenge Zong

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____ }
County of Ventura } ss:

20 _____

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WITNESS my hand and official seal.

Notary Public

My commission expires

20 _____

In Witness Whereof I have executed this assignment on the _____ day of _____ 20 _____

Qiufen Xue
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }
County of Ventura } ss:

20 _____

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Notary Public

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