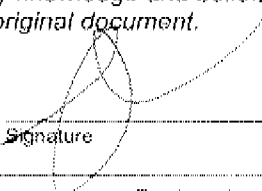


Substitute Form PTO-1595  
Attorney Docket No.: 18202-028US1/1112US

### RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).

<p>1. Name of conveying party(ies):  <b>LIN ZHI; ROBERT I. HIGUCHI; E. ADAM KALLEL; CORNELIS ARJAN VAN OEVEREN; JYUN-HUNG CHEN; DANIEL RUPPAR; BIJAN PEDRAM; THOMAS LOT STEVENS LAU AND T. MILLER</b></p> <p>Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):  <b>LIGAND PHARMACEUTICALS INCORPORATED          10275 Science Center Drive          San Diego, CA 92121-1117</b></p> <p>Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment  <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement  <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other:</p> <p>Execution Date: 09/05/2006; 09/05/2006; 09/05/2006; 09/05/2006; 09/05/2006; 09/20/2006; 09/05/2006; 09/19/2006; 09/06/2006;</p>	
<p>4. Application number(s) or patent number(s):          If this document is being filed with a new application, the execution date of the application is:          A. Patent Application No(s):              10/590.119          B. Patent No(s):</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name/address of party to whom correspondence concerning document should be mailed:  <b>STEPHANIE SEIDMAN          Fish &amp; Richardson P.C.          12390 El Camino Real          San Diego, California 92130</b></p>	<p>6. Total number of applications/patents involved: 1</p> <p>7. Total fee (37 CFR §3.41): \$40  <input type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> Authorized to charge Deposit Account.</p> <p>8. Deposit Account No.: 06-1050          Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.</p>
<p><b>DO NOT USE THIS SPACE</b></p>	
<p>9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i></p> <p>Stephanie Seidman          Reg. No. 33,779          Name of Person Signing</p> <p>          Signature</p> <p>October 3, 2006          Date</p>	
<p>Total number of pages including coversheet, attachments and document: 20</p>	


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#### CERTIFICATE OF TRANSMISSION BY FACSIMILE

Thereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

October 3, 2006  
 Date of Transmission

  
 Signature

TERESA SALAZAR-FISCHER  
 Typed Name of Person Signing Certificate

## ASSIGNMENT

I, **LIN ZHI**, a citizen of the United States of America, residing at 3988 Via Cangrejo, San Diego, California 92130, U.S.A., for good and valuable consideration, have assigned and do hereby assign to **LIGAND PHARMACEUTICALS INCORPORATED**, a corporation organized under the laws of the State of Delaware, having a principal business address of 10275 Science Center Drive, San Diego, California 92121-1117, U.S.A. , (hereafter Assignee). its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No. 10/590,119 (applicant's attorney is authorized to enter application number after execution of this document) entitled:

### ANDROGEN RECEPTOR MODULATOR COMPOUNDS AND METHODS

which was filed on August 18, 2006, and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

ATTORNEY DOCKET: 18202-028US1 (1112US)

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

DATE: 9/15/06

*[Signature]*  
LIN ZHI

STATE OF California )  
COUNTY OF San Diego ) SS.

On September 5, 2006, before me, the undersigned, a notary public for the State of California, personally appeared **LIN ZHI** 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 executed the same in he authorized capacity and that by his 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



## **ASSIGNMENT**

I, **ROBERT HIGUCHI**, a citizen of the United States of America, residing at 434 Marview Drive, Solana Beach, California 92075, U.S.A., for good and valuable consideration, have assigned and do hereby assign to **LIGAND PHARMACEUTICALS INCORPORATED**, a corporation organized under the laws of the State of Delaware, having a principal business address of 10275 Science Center Drive, San Diego, California 92121-1117, U.S.A. , (hereafter Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No. 10/590,119 (applicant's attorney is authorized to enter application number after execution of this document) entitled:

### **ANDROGEN RECEPTOR MODULATOR COMPOUNDS AND METHODS**

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ATTORNEY DOCKET: 18202-028US1 (1112US)

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

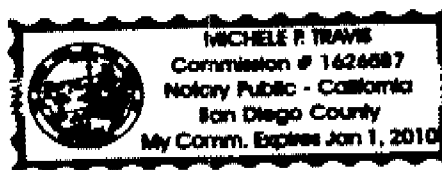
DATE: 9/5/06 Robert Higuchi  
**ROBERT HIGUCHI**

STATE OF California )  
 ) SS.  
COUNTY OF San Diego )

On September 5, 2006, before me, the undersigned, a notary public for the State of California, personally appeared **ROBERT HIGUCHI** 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 executed the same in he authorized capacity and that by his 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.

Michele P. Travis  
Notary Public



**ASSIGNMENT**

I, **E. ADAM KALLEL**, a citizen of the United States of America, residing at 10160 Boulder Knolls, Escondido, California 92026, U.S.A., for good and valuable consideration, have assigned and do hereby assign to **LIGAND PHARMACEUTICALS INCORPORATED**, a corporation organized under the laws of the State of Delaware, having a principal business address of 10275 Science Center Drive, San Diego, California 92121-1117, U.S.A. , (hereafter Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No. 10/590,119 (applicant's attorney is authorized to enter application number after execution of this document) entitled:

**ANDROGEN RECEPTOR MODULATOR COMPOUNDS AND METHODS**

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ATTORNEY DOCKET: 18202-028US1 (1112US)

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

DATE: 08/09/06

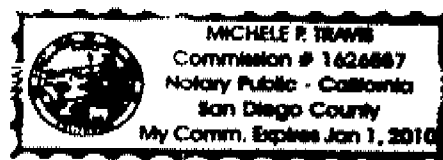
*E. Adam Kallel*  
E. ADAM KALLEL

STATE OF California )  
COUNTY OF San Diego ) SS.

On September 5, 2006, before me, the undersigned, a notary public for the State of California, personally appeared **E. ADAM KALLEL**, 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 executed the same in he authorized capacity and that by his 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.

*Michele P. Travis*  
Notary Public



## ASSIGNMENT

I, **CORNELIS ARJAN VAN OEVEREN**, a citizen of the Netherlands, residing at 6590 Edmonton Avenue, San Diego, California 92122, U.S.A., for good and valuable consideration, have assigned and do hereby assign to **LIGAND PHARMACEUTICALS INCORPORATED**, a corporation organized under the laws of the State of Delaware, having a principal business address of 10275 Science Center Drive, San Diego, California 92121-1117, U.S.A. (hereafter Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No. 10/590,119 (applicant's attorney is authorized to enter application number after execution of this document) entitled:

### ANDROGEN RECEPTOR MODULATOR COMPOUNDS AND METHODS

which was filed on August 18, 2006, and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.



ATTORNEY DOCKET: 18202-0280US1 (1112US)

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.


DATE: 09/05/06

  
CORNELIS ARJAN VAN OEVEREN

STATE OF California )  
COUNTY OF San Diego ) SS.

On September 5, 2006, before me, the undersigned, a notary public for the State of California, personally appeared **CORNELIS ARJAN VAN OEVEREN** 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 executed the same in he authorized capacity and that by his 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



**ASSIGNMENT**

I, **JYUN-HUNG CHEN**, a citizen of the TAIWAN, residing at 7614 Palmilla Drive, #58, San Diego, California 92122, U.S.A., for good and valuable consideration, have assigned and do hereby assign to **LIGAND PHARMACEUTICALS INCORPORATED**, a corporation organized under the laws of the State of Delaware, having a principal business address of 10275 Science Center Drive, San Diego, California 92121-1117, U.S.A. , (hereafter Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No. 10/590,119 (applicant's attorney is authorized to enter application number after execution of this document) entitled:

**ANDROGEN RECEPTOR MODULATOR COMPOUNDS AND METHODS**

which was filed on August 18, 2006, and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

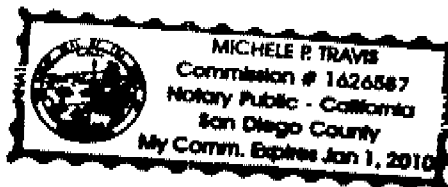
DATE: Sept. 5, 2006 Jyun-Hung Chen  
JYUN-HUNG CHEN

STATE OF California )  
COUNTY OF San Diego ) SS.

On September 5, 2006 before me, the undersigned, a notary public for the State of California, personally appeared **JYUN-HUNG CHEN** 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 executed the same in he authorized capacity and that by his 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.

Michele P. Travis  
Notary Public



ATTORNEY DOCKET: 18202-028US1 (1112US)

**ASSIGNMENT**

I, DANIEL RUPPAR, a citizen of the United States of America, residing at 3015 Sable Crossing, San Antonio, Texas 78232  
~~DR 5230 Fiore Terrace, K#404, San Diego, California 92122~~, U.S.A., for good and valuable consideration, have assigned and do hereby assign to **LIGAND PHARMACEUTICALS INCORPORATED**, a corporation organized under the laws of the State of Delaware, having a principal business address of 10275 Science Center Drive, San Diego, California 92121-1117, U.S.A. , (hereafter Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No. 10/590,119 (applicant's attorney is authorized to enter application number after execution of this document) entitled:

**ANDROGEN RECEPTOR MODULATOR COMPOUNDS AND METHODS**

which was filed on August 18, 2006, and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

ATTORNEY DOCKET: 18202-028US1 (1112US)

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

DATE: 9/20/06

  
DANIEL RUPPAR

STATE OF Texas )  
COUNTY OF BEXAR ) SS.

On SEPT 20, 2006  
DANIEL RUPPAR, before me, the undersigned, a notary public for the State of TEXAS, personally appeared DANIEL RUPPAR 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 executed the same in he authorized capacity and that by his 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

ATTORNEY DOCKET: 18202-028US1 (1112US)

**ASSIGNMENT**

I, **BIJAN PEDRAM**, a citizen of the United States of America, residing at *5370 Toscana Way, Apt. H-107 BP.* ~~765 Plamilla Drive, Apt. 5113,~~ San Diego, California 92122, U.S.A., for good and valuable consideration, have assigned and do hereby assign to **LIGAND PHARMACEUTICALS INCORPORATED**, a corporation organized under the laws of the State of Delaware, having a principal business address of 10275 Science Center Drive, San Diego, California 92121-1117, U.S.A. , (hereafter Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No. 10/590,119 (applicant's attorney is authorized to enter application number after execution of this document) entitled:

**ANDROGEN RECEPTOR MODULATOR COMPOUNDS AND METHODS**

which was filed on August 18, 2006, and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

ATTORNEY DOCKET: 18202-028US1 (1112US)

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

DATE: Sept 5/06

*BiJan Pedram*  
**BIJAN PEDRAM**

STATE OF California )  
COUNTY OF San Diego ) SS.

On September 5, 2006, before me, the undersigned, a notary public for the State of California, personally appeared **BIJAN PEDRAM** 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 executed the same in he authorized capacity and that by his 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.

*Michele P. Travis*  
Notary Public



## **ASSIGNMENT**

I, **THOMAS LOT STEVENS LAU**, a citizen of the United States of America, residing at 9949 Scripps Westview Way, #186, San Diego, California 92131, U.S.A., for good and valuable consideration, have assigned and do hereby assign to **LIGAND PHARMACEUTICALS INCORPORATED**, a corporation organized under the laws of the State of Delaware, having a principal business address of 10275 Science Center Drive, San Diego, California 92121-1117, U.S.A. , (hereafter Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No. 10/590,119 (applicant's attorney is authorized to enter application number after execution of this document) entitled:

### **ANDROGEN RECEPTOR MODULATOR COMPOUNDS AND METHODS**

which was filed on August 18, 2006, and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.



I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

DATE: 9/19/06

[Handwritten Signature]  
THOMAS LOT STEVENS LAU

STATE OF California )  
COUNTY OF San Diego ) SS.

On September 19, 2006, before me, the undersigned, a notary public for the State of California, personally appeared THOMAS LOT STEVENS LAU 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 executed the same in he authorized capacity and that by his 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.

[Handwritten Signature]  
Notary Public



## ASSIGNMENT

I, **T. MILLER**, a citizen of the United States of America, residing at 1289 Avenida Fragata, San Marcos, California 92069, U.S.A., for good and valuable consideration, have assigned and do hereby assign to **LIGAND PHARMACEUTICALS INCORPORATED**, a corporation organized under the laws of the State of Delaware, having a principal business address of 10275 Science Center Drive, San Diego, California 92121-1117, U.S.A., (hereafter Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No. 10/590,119 (applicant's attorney is authorized to enter application number after execution of this document) entitled:

### ANDROGEN RECEPTOR MODULATOR COMPOUNDS AND METHODS

which was filed on August 18, 2006, and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

ATTORNEY DOCKET: 18202-028US1 (1112US)

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

DATE: 9/6/06 T. MILLER

STATE OF California )  
COUNTY OF San Diego ) SS.

On September 6, 2006, before me, the undersigned, a notary public for the State of California, personally appeared T. MILLER 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 executed the same in he authorized capacity and that by his 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.

Michele P. Travis  
Notary Public

