MRD 11/13/00 FORM PTO-1500 (Rev. 6-93)

RECORDA

11-20-2000

S. DEPARTMENT OF COMMERCE Patent and Trademark Office

P/	101521976
To the Honorabe Comments oner of Patents and Trademarks: P	lease record the attached original document or copy thereof.
Name(s) of conveying party(ies):	Name and address of receiving party:
1) YUN-FEI ZHU	Name: NEUROCRINE BIOSCIENCES, INC.
2) KEITH M. WILCOXEN 3) R. SCOTT STRUTHERS	
4) CHEN CHEN	Internal Address:
5) PATRICK J. CONNORS, JR.	
6) YINGHONG GAO	
Additional names of conveying parties attached? _XYesNo	
3. Nature of conveyance:	Street Address: 10555 SCIENCE CENTER DRIVE
X Assignment Merger	
Security Agreement Change of Name	
Other	City: SAN DIEGO State CA
Execution Dates:	Zip: <u>92121</u>
1) NOVEMBER 2, 2000 4) NOVEMBER 2, 2000 5) NOVEMBER 2, 2000 5) NOVEMBER 2, 2000	Additional names & addresses attached? Yes XN0
3) NOVEMBER 2, 2000 6) NOVEMBER 2, 2000	
4. Application number(s) or registration number(s):	
	ogether with a new application, of the application is
A. Patent Application No(s). 09/570,239	B. Patent No(s).
, and the second	
Additional numbers attache	d? Yes <u>X</u> No
	S. Tatal number of applications and
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved1
Name: Seed Intellectual Property Law Group PLLC	·
Name. Seed intellectual Property Law Group PLLC	
Internal Address: KARL R. HERMANNS	7. Total Fee (37 CFR 3.41): <u>\$40</u>
	X Enclosed
Charact Address 704 Figh Avenue Suite 6200	Authorized to be charged to deposit account
Street Address: 701 Fifth Avenue, Suite 6300	
City: Seattle State: WA ZIP: 98104-7092	8. Deposit account number:
2000 MKDRUNA 00000049 09570239	19-1090
40.00 8P DO NOT US	THIS SPACE
•	
9. Statement and signature.  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.	11
KARL R. HERMANNS	1/7/00
Name of Person Signing Signat	ure Date
Total number of pages including cover sheet	attachments, and document:7

OMB No. 0651-0011 (exp 4/94) U:\lindam\00-2\8531.doc - Docket No. 690068.481

**REEL: 011242 FRAME: 0902** 

FORM PTO-1595 (Rev. 6-93)

## RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

PATENT

**REEL: 011242 FRAME: 0903** 

## **ASSIGNMENT**

WHEREAS, we, Yun-Fei Zhu, Keith M. Wilcoxen, R. Scott Struthers, Chen Chen, Patrick J. Connors, Jr., Yinghong Gao and Fabio C. Tucci (hereinafter referred to as ASSIGNORS), having post office addresses of 7306 Park Village Road, San Diego, California 92129, 2015 31st Street, San Diego, California 92104, 1161 Avenida Esteban, Encinitas. California 92024, 13922 Sparren Avenue, San Diego, California 92129, 4021 Illinois Street, San Diego, California 92104, 7856 Camino Tranquilo, San Diego, California 92122, and 1055 Falcon 5t Hol, San Diego, CA 92103, respectively, are the joint inventors of an invention entitled "GONADOTROPIN-RELEASING HORMONE RECEPTOR ANTAGONISTS AND METHODS RELATING THERETO," as described and claimed in the specification forming part of a continuation-in-part application for United States letters patent which was filed on May 12, 2000 and assigned Application No. 09/570,239; this application is a continuation-in-part of co-pending Application Nos. 09/405,286, filed in the United States Patent and Trademark Office on September 23, 1999, 09/363,254, filed in the United States Patent and Trademark Office on May 14, 1999

WHEREAS, Neurocrine Biosciences, Inc. (hereinafter referred to as ASSIGNEE), a corporation of the State of California having a place of business at 10555 Science Center Drive, San Diego, California 92121, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on

PATENT REEL: 011242 FRAME: 0904 said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

1/02/2000	Market West of the second
Date	Yun-Fei Zhu
State of <u>(alifirnia</u> )	SS.
County of Since Diego	35.

I certify that I know or have satisfactory evidence that Yun-Fei Zhu is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

DieRDRE A. MCCALL
Commission # 1180072
Notary Public - California
San Diego County
My Comm. Expires Apr 17, 2002

11-02-00	FULL 1
Date	Keith M. Wilcoxen
State of Californi	) ss.
County of San Di	(40)
•	I know or have satisfactory evidence that Keith M. Wilcoxen is the
	e me, and said person acknowledged that he signed this instrument is free and voluntary act for the uses and purposes mentioned in the
instrument.	is need and voluntary act for the uses and purposes mentioned in the
	Dated 11/2/00
DIERDRE A. MCCAIL	Signature of Notary Public Quida & Melall
Commission in 1199072	Printed Name Dierove A McCall
z wycholacze O kurny Wy Ochanic syśleczna 17,2002 o przyku na wywarzenia	1/ 12 12
	My appointment expires
10/2/02	RAA
Date	R. Scott Struthers
State of Californ	1ia_)
County of Sun Di	) ss.
I certify that	I know or have satisfactory evidence that R. Scott Struthers is the
person who appeared before	e me, and said person acknowledged that he signed this instrument
· ·	is free and voluntary act for the uses and purposes mentioned in the
instrument.	/ /
	Dated $11/2/\omega$
Charles A. A.	Signature of
Commission	Notary Public Mulde William
/ Sun Dustral (1997) My Comm. Paper (1997) (1992)	Printed Name Dierdre AMCCAII
A SALL ASSALLAND AND A SALLAND	My appointment expires $4-17-02$

3

1.12/2/20	
11/2/2005 Date	Chen Chen
State of Californi	a )
County of San Di	) SS. () )
I certify that	know or have satisfactory evidence that Chen Chen is the person
who appeared before me, a	nd said person acknowledged that he signed this instrument and
acknowledged it to be his finstrument.	ree and voluntary act for the uses and purposes mentioned in the
	. / /
	Dated
DiERDRE A. MCCALL Commission # 1180072	Signature of Notary Public Wielde MeGall
Notary Public - California 💈 San Diego County — My Comm. Expires Apr 17, 2002	Printed Name Dier dre A. W. CAII
	My appointment expires $9-17-02$
11 /2 (Ve No.)	
Date	Patrick J. Connors, Jr.
State of Californ	`A
, ,	<u>/~</u> )
County of Gen D	$(\mathcal{L}_{\mathcal{L}})$ ss.
·	(Ca)
I certify that	know or have satisfactory evidence that Patrick J. Connors, Jr. is
I certify that the person who appeared	I know or have satisfactory evidence that Patrick J. Connors, Jr. is before me, and said person acknowledged that he signed this
I certify that the person who appeared	know or have satisfactory evidence that Patrick J. Connors, Jr. is
I certify that the person who appeared instrument and acknowledge	I know or have satisfactory evidence that Patrick J. Connors, Jr. is before me, and said person acknowledged that he signed this ed it to be his free and voluntary act for the uses and purposes $1 + \sqrt{2 + \sqrt{4}}$
I certify that the person who appeared instrument and acknowledge	I know or have satisfactory evidence that Patrick J. Connors, Jr. is before me, and said person acknowledged that he signed this
I certify that the person who appeared instrument and acknowledge	I know or have satisfactory evidence that Patrick J. Connors, Jr. is before me, and said person acknowledged that he signed this ed it to be his free and voluntary act for the uses and purposes $1 + \sqrt{2 + \sqrt{4}}$
I certify that the person who appeared instrument and acknowledgementioned in the instrument.  DIERDRE A. MCCALL Commission # 1189072	I know or have satisfactory evidence that Patrick J. Connors, Jr. is before me, and said person acknowledged that he signed this ed it to be his free and voluntary act for the uses and purposes  Dated  Signature of

4

11/02/22	
Date	Yinghong Gao
State of Wifern	) ss.
County of Jan Di	ego)
person who appeared before	I know or have satisfactory evidence that Yinghong Gao is the eme, and said person acknowledged that she signed this instrument er free and voluntary act for the uses and purposes mentioned in the
	Dated $11/2/\omega$
DIERDRE A. MCCALL Commission # 1180072 Notary Public - California San Diego County My Comm. Expires Apr 17, 2002	Signature of Notary Public  Printed Name  Diev dre A. We Cull  My appointment expires  4-17-02
11/02/2002	Filrs C. Freer
Date A . C	Fabio C. Tucci
State of Californi	<u>a</u> )
County of San	Sued) ss.
I certify that	I know or have satisfactory evidence that Fabio C. Tucci is the
·	e me, and said person acknowledged that he signed this instrument
and acknowledged it to be h	is free and voluntary act for the uses and purposes mentioned in the
instrument.	
	Dated UZ 00
DIERDRE A. MCCALL Commission # 1189072 Notary Public - California San Diego County	Signature of Notary Public Lewisdre JW Carl
My Comm. Expires Apr 17, 2002	Printed Name Jerdré A Mc (all
	My appointment expires 4-17-02
\\VERNON\USERS\LindaM\\00-2 (690068.481)	

PATENT REEL: 011242 FRAME: 0908

## **ASSIGNMENT**

WHEREAS, we, Yun-Fei Zhu, Keith M. Wilcoxen, R. Scott Struthers, Chen Chen, Patrick J. Connors, Jr., Yinghong Gao and Fabio C. Tucci (hereinafter referred to as ASSIGNORS), having post office addresses of 7306 Park Village Road, San Diego, California 92129, 2015 31<sup>st</sup> Street, San Diego, California 92104, 1161 Avenida Esteban, Encinitas, California 92024, 13922 Sparren Avenue, San Diego, California 92129, 4021 Illinois Street, San Diego, California 92104, 7856 Camino Tranquilo, San Diego, California 92122, and 1055 Falcon St +101, San Diego, CA 92103, respectively, are the joint inventors of an invention entitled "GONADOTROPIN-RELEASING HORMONE RECEPTOR ANTAGONISTS AND METHODS RELATING THERETO," as described and claimed in the specification forming part of a continuation-in-part application for United States letters patent which was filed on May 12, 2000 and assigned Application No. 09/570,239; this application is a continuation-in-part of co-pending Application Nos. 09/405,286, filed in the United States Patent and Trademark Office on September 23, 1999, 09/363,254, filed in the United States Patent and Trademark Office on May 14, 1999

WHEREAS, Neurocrine Biosciences, Inc. (hereinafter referred to as ASSIGNEE), a corporation of the State of California having a place of business at 10555 Science Center Drive, San Diego, California 92121, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on

PATENT REEL: 011242 FRAME: 0909 said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Mortzone	
Date	Yun-Fei Zhu
State of <u>California</u>	)
County of San Diego	) ss. ))

I certify that I know or have satisfactory evidence that Yun-Fei Zhu is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

My appointment expires

DIERDRE A. MCCALL
Commission # 1180072
Notary Public - California
San Diega County
My Comm. Expires Apr 17, 2002

Signature of
Notary Public

Printed Name

Dated

Signature of
Notary Public

Printed Name

Derdre A. McCall

	$\mathcal{F}^{\mathcal{F}^{\mathcal{F}}}$
11-02-00	- Alkara
Date	Keith M. Wilcoxen
State of Chliforn	ia
County of San Di	ss.
I	
	I know or have satisfactory evidence that Keith M. Wilcoxen is the
	e me, and said person acknowledged that he signed this instrument
	is free and voluntary act for the uses and purposes mentioned in the
instrument.	1
	David 11/2/20
	Dated 11/2 160
DiERDRE A. MCCALL Commission # 1199072	Signature of Notary Public Level of Medall
A Neirary Peblio - Collionia <u>\$</u> x & See Depo Courty My Carolou Sypher Apr 17, 2002	Printed Name Dierove A. McCall
Statement of State	My appointment expires $4-17-02$
10/2/00	RAS
Date /	R. Scott Struthers
State of Californ	<u>na</u> )
County of Sun Dic	lg) ss
I certify that	I know or have satisfactory evidence that R. Scott Struthers is the
	me, and said person acknowledged that he signed this instrument
	is free and voluntary act for the uses and purposes mentioned in the
instrument.	
	11/-/
	Dated
A DATE OF A DATE	Signature of
Commission (1919)	Notary Public
San Diagram Color of My Comm. Expensions 17, 2002	Printed Name Dierdre AMCCail
A STATE OF THE STA	My appointment expires $4-17-02$

•

Date  State of California  County of San Di	Chen Chen  Ss.
who appeared before me, a	I know or have satisfactory evidence that Chen Chen is the person and said person acknowledged that he signed this instrument and free and voluntary act for the uses and purposes mentioned in the
DiERDRE A. MCCALL Commission # 1180072 Notary Public - California San Diego County My Comm. Expires Apr 17, 2002	Dated 1/2/00  Signature of Notary Public Acide MeCall  Printed Name Dierdre A. McCall  My appointment expires 4-17-02
$\frac{11-2-2000}{\text{Date}}$ State of $\frac{\text{Cali form}}{\text{County of }}$	Patrick J. Connors, Jr.  SS.  SS.
the person who appeared	I know or have satisfactory evidence that Patrick J. Connors, Jr. is before me, and said person acknowledged that he signed this ed it to be his free and voluntary act for the uses and purposes
DIERDRE A. MCCALL Commission # 1189972 Notary Public - California San Diego County My Comm. Expires Apr 17, 2002	Dated 11/2/W  Signature of Notary Public Lieudie AMeCall  Printed Name Dievoire A. McCall

My appointment expires 4-17-02

Date 2 2 3 4 5	Yinghong Gáo
State of Wiforn	ia)
County of Jan Di	) ss. 2QD)
	I know or have satisfactory evidence that Yinghong Gao is the me, and said person acknowledged that she signed this instrument
• • • • • • • • • • • • • • • • • • • •	er free and voluntary act for the uses and purposes mentioned in the
instrument.	
	Dated $11/2/\omega$
	Signature of
DIERDRE A. MCCALL Commission # 1180072 Notary Public - California	Notary Public Lecture for Auto
San Diego County  My Comm. Expires Apr 17, 2002	Printed Name
17,202	My appointment expires $9-17-00$
11/02/2000	False C. Fren
Date	This C.T
Date	Fabio C. Tucci
State of Californi	Fablo C. Tucci
State of Aliforni County of San	Siled) ss.
State of <u>Aliforni</u> County of <u>San</u>	<u>a</u>
State of <u>Aliforni</u> County of <u>San</u> I certify that	Sied) ss.
State of Ali forni  County of San  I certify that person who appeared before	Size ) ss.  I know or have satisfactory evidence that Fabio C. Tucci is the
State of County of San  I certify that person who appeared before and acknowledged it to be h	I know or have satisfactory evidence that Fabio C. Tucci is the me, and said person acknowledged that he signed this instrument is free and voluntary act for the uses and purposes mentioned in the
State of County of Sun I certify that person who appeared before and acknowledged it to be h instrument.	I know or have satisfactory evidence that Fabio C. Tucci is the me, and said person acknowledged that he signed this instrument is free and voluntary act for the uses and purposes mentioned in the
State of County of Sun County of I certify that person who appeared before and acknowledged it to be hinstrument.  DIERDRE A MCCALL Commission # 1180072 Notary Public - California	I know or have satisfactory evidence that Fabio C. Tucci is the me, and said person acknowledged that he signed this instrument is free and voluntary act for the uses and purposes mentioned in the
State of County of Sun County of I certify that person who appeared before and acknowledged it to be h instrument.  DIERDRE A MCCALL Commission # 1180072	I know or have satisfactory evidence that Fabio C. Tucci is the me, and said person acknowledged that he signed this instrument is free and voluntary act for the uses and purposes mentioned in the Signature of

San Diego County

(690068.481)

\\VERNON\USERS\LindaM\00-2\8498.doc

**PATENT** 

**REEL: 011242 FRAME: 0913**