PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Graham Beaton	05/05/2008
Mi Chen	04/30/2008
Timothy Richard Coon	04/30/2008
Todd Ewing	05/02/2008
Wanlong Jiang	04/30/2008
Richard Lowe	04/30/2008
Willy Moree	04/30/2008
Nicole Smith	05/01/2008
Warren Wade	05/01/2008
Liren Zhao	04/30/2008
Yun-Fei Zhu	04/30/2008
Martin Rowbottom	05/07/2008
Neil Ashweek	04/30/2008

RECEIVING PARTY DATA

Name:	Neurocrine Biosciences, Inc.
Street Address:	12790 El Camino Real
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92130-1102

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US0859438

CORRESPONDENCE DATA

Fax Number: (202)842-7899

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-842-7800

PATENT 500969384 REEL: 023268 FRAME: 0480

US085943

Email: gluna@cooley.com

Correspondent Name: Cooley Godward Kronish LLP

Address Line 1: 777 6th Street, NW

Address Line 2: Suite 1100

Address Line 4: Washington, DISTRICT OF COLUMBIA 20001

ATTORNEY DOCKET NUMBER: NEUO-016/01WO

NAME OF SUBMITTER: Richard H. Pagliery

Total Attachments: 15

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PATENT REEL: 023268 FRAME: 0481

ASSIGNMENT

WHEREAS, we,

Name	Post Office Address	
Graham Beaton	13610 Del Poniente Road, Poway, California 92064	;
Mi Chen	7746 Road Road, San Diego, California 92129	
Timothy Richard Coon	3022 Rancho Del Canon, Carlsbad, California 92009	÷
Todd Ewing	12630 Darkwood Road, San Diego, California 92129	į,
Wanlong Jiang	7417 Via Cresta Road, San Diego, California 92129	;
Richard Lowe	439 49 th Street, Apartment 19, Oakland, California 94609	. ,
Willy Moree	10730 Carillon Court, San Diego, California 92131	÷
Nicole Smith	7779 Alcamo Road, San Diego, California 92126	•
Warren Wade	10940 Shy Bird Lane, San Diego, California 92128	;
Liren Zhao	4466 Shorepointe Way, San Diego, California 92130	3
Yun-Fei Zhu	7306 Park Village Road, San Diego, California 92130	;
Martin Rowbottom	8389 Reagan Glen, San Diego, California 92127	; and
Neil Ashweek	3650 Florida Street, Unit Q, San Diego, California 92103	

(hereinafter referred to as ASSIGNORS), having post office addresses as listed above next to our names, are the joint inventors of an invention entitled

GONADOTROPIN-RELEASING HORMONE RECEPTOR ANTAGONISTS AND METHODS RELATING THERETO

as described and claimed in the specification for which an application for United States letters patent was filed on April 4, 2008, and assigned Application No. 12/062,741, which application claims the benefit under 37 C.F.R. 119(e) of U.S. Provisional Application No. 60/910,621 filed April 6, 2007; and for which an application was filed on April 4, 2008 with the U.S. Receiving Office of the PCT and assigned Application No. PCT/US2008/059438;

WHEREAS, Neurocrine Biosciences, Inc. (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 12790 El Camino Real, San Diego, California 92130-1102, 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

PATENT REEL: 023268 FRAME: 0482 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 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 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 letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

5/5/08	all Sh
Date	Graham Beaton
State of California	
County of Sau Diego	
On May 5, 2008, before me	. Durave A. McCall Notary Public
personally appeared <u>Gyal</u>	Nam Blaton,
	•

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his 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.

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

WITNESS my hand and official seal.

(Notary Seal)

DIERDRE A. MCCALL
Commission # 1663621
Notary Public - California

San Diego County

v Count Expires May 2, 2010

4/30/08 Mi Chen
Date Mi Chen
State of California
County of San Diego
On April 30,2008, before me, Dierdre AMCael Notary Public personally appeared Mi Chen
personally appeared //// CRCM
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
WITNESS my hand and official seal. WITNESS my hand and official seal. WITNESS my hand and official seal. San Diego County My Comm. Expires May 2, 2010 (Notary Public (Notary Public)

Date

Timothy Richard Coon

State of California

County of San Delgo

On April 30, 2008, before me, Dierdre A. Mc all Manylablic of the insert name and title of the difference of the personally appeared Timothy Richard Coon,

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the

WITNESS my hand and official seal.

foregoing paragraph is true and correct.

(Notary Seal)

DIERDRE A, MCCALL Commission # 1663621 Notary Public - California San Diego County

My Comm. Expires May 2, 2010

-12/2008 Todd Ewing State of California , before me, Desaye 4 //le (ai) No her of the of the officer) personally appeared who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his 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. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. DERDRE A. MCCALL Commission # 1663621 Notary Public - California San Diego County My Comm. Expires May 2, 2010 WITNESS my hand and official seal. (Notary Seal)

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his 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.

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

WITNESS my hand and official seal.

(Notary Seal)

DIERDRE A. MCCALL

My Comm. Explies May 2, 201

San Diego

DIERDRE A. MCCALL
Commission # 1663621
Notary Public - California
San Diego County
My Comm. Expires May 2, 2010

ANN S. KRAYNAK

Commission # 1793271 Notary Public - California Alameda County My Comm. Explass Mar 9, 2012

(Notary Seal)

4-30-08	Richtlove.
Date	Richard Lowe
State of California	
County of Algmea	<u>a</u>
On <u>4/36/08</u> personally appeared	, before me, Ann S. Kraynak, Notary Public (Here insert name and title of the officer) Richard Lowe,
subscribed to the within inst	basis of satisfactory evidence to be the person whose name is rument and acknowledged to me that he executed the same in his to by his signature on the instrument the person, or the entity upon sted, executed the instrument.
I certify under PENALTY Of foregoing paragraph is true as	F PERJURY under the laws of the State of California that the nd correct.

Signature of Notary Public

WITNESS my hand and official seal.

<u>4/30/08</u>	Willy Moree
Date	Willy More
State of California	
County of San Diego	
On April 30, 2008, before r	me, Dillare AMe Call Notary Publice Willy Moree ,
who proved to me on the basis of s subscribed to the within instrument and	satisfactory evidence to be the person whose name is I acknowledged to me that she executed the same in her gnature on the instrument the person, or the entity upon
I certify under PENALTY OF PERJUR foregoing paragraph is true and correct.	Y under the laws of the State of California that the
WITNESS my hand and official seal.	(Notary Seal)
Signature of Notary Public	

5/1/08 Ward Smi Date State of California personally appeared who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. DIERDRE A. MCCALL Commission # 1663621 Notary Public - California WITNESS my hand and official seal. San Diego County My Comm. Expires May 2, 2010 (Notary Seal)

5/1/2008 State of California San Diego May 1, 2008, before me, Distaire, A Ma (all Not Here insert name and title of the officer) personally appeared who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his 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. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. DIÉRORE A. MCCALL Commission # 1663621 WITNESS my hand and official seal. Notary Public - California San Diego County My Comm. Expires May 2, 2010 (Notary Seal)

4/30/08	Washel
Date	Liren Zhao
State of California	
County of San Diego	
On April 30, 2008, before a personally appeared	me, Diesche AME (UII Notary Publice) (Here insert name and title of the officer)
	satisfactory evidence to be the person whose name is

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his 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.

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

WITNESS my hand and official seal.

cluidie Alberal
Signature of Notary Public

(Notary Seal)

DIERDRE A. MCCALL Commission # 1663621 Notary Public - California

San Diego County My Comm. Expires May 2, 2010

Date

Yun-Fei Zhu

State of California

County of Jan Diego

On Ari 30, 2008, before me, Diemer Amelian Wary Publice, personally appeared

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his 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.

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

WITNESS my hand and official seal.

My Comm. Expires May 2, 2010 (Notary Seal)

DIERDRE A. MCCALL Commission # 1663621

Notary Public - California San Diego County

05 07 08 Date Martin	M. MACH 1 Rowbottom
State of California	Rowodtom
County of Sku Diego	
On May 7, 7008, before me Diero personally appeared Marfin F	The AMaCull NHary Public of the Officer)
who proved to me on the basis of satisfactory subscribed to the within instrument and acknowle authorized capacity, and that by his signature on t behalf of which the person acted, executed the instr	evidence to be the person whose name is dged to me that he executed the same in his the instrument the person, or the entity upon
I certify under PENALTY OF PERJURY under the foregoing paragraph is true and correct.	DERDRE A. MCCALL Commission # 1663621
WITNESS my hand and official seal.	Notary Public - California & San Diego County My Comm. Expires May 2, 2010
Signature of Notary Public	(Notary Seal)

	4/30/08		
Date		Neil Ashweek	
State of Californ	nia		
County of	an Diezo		
On April 3	10, 2018, before me, ared	Dientre, AMC (Here insert name and HSN WE	all Notary Rublic title of the officer)
subscribed to the authorized capa-	ne within instrument and ac	cknowledged to me that ure on the instrument the	the person whose name is he executed the same in his ne person, or the entity upon
I certify under P foregoing parage	ENALTY OF PERJURY uraph is true and correct.	nder the laws of the State	DERORE A MCCAIL
WITNESS my h	and and official seal.		Commission # 1663621 Notary Public - California San Diego County My Comm. Expires May 2, 2010 otary Seal)

,	NEUROCRINE BIOSCIENCES, INC.
5/7/88 Date	By: Margaret Valeur-Jensen Title: Executive Vice President and General Counsel
State of California	
County of San Dieso	
On May 7, 7008, before a personally appeared Marga	me, Devore AMelau Notan Poblic (Here insort name and title of the officer) PRE + Va Jeur- Jensen,
subscribed to the within instrument and	satisfactory evidence to be the person whose name is a acknowledged to me that she executed the same in her gnature on the instrument the person, or the entity upon ted the instrument.
I certify under PENALTY OF PERJURY foregoing paragraph is true and correct.	Y under the laws of the State of California that the DIERDRE A MCCALL Commission # 1663621
WITNESS my hand and official seal.	Notary Public - California San Diego County My Comm. Expires May 2, 2010
Signature of Notary Public	(Notary Seal)
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RECORDED: 09/22/2009