# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
WENXUE WU	02/15/2006
BOSCO D'SA	01/09/2006
FENG LIANG	01/09/2006
LOC THANH TRAN	12/05/2005
WILLIAM LEONG	01/09/2006
VILAS DAHANUKAR	12/31/2005
ILIA A. ZAVIALOV	01/09/2006
CECILIA PROIETTI ORR	01/09/2006
SHANNON ZHAO	12/17/2005
HONG-CHANG LEE	01/09/2006
YI LIU	03/23/2006
HOA N. NGUYEN	01/09/2006
XIONGWEI SHI	07/04/2006
MAN ZHU	01/09/2006

### **RECEIVING PARTY DATA**

Name:	SCHERING CORPORATION	
Street Address:	2000 GALLOPING HILL ROAD	
City:	kenilworth	
State/Country:	NEW JERSEY	
Postal Code:	07033	

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11326154

### **CORRESPONDENCE DATA**

Fax Number: (908)298-5388

PATENT REEL: 023376 FRAME: 0245 CH \$40,00 1132615

500989284

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

Phone: 908-298-7216

Email: katherine.lally@spcorp.com

Correspondent Name: katherine lally

Address Line 1: 2000 GALLOPING HILL ROAD

Address Line 2: K-6-1, 1990

Address Line 4: kenilworth, NEW JERSEY 07033

ATTORNEY DOCKET NUMBER: CD06220US01

NAME OF SUBMITTER: KATHERINE LALLY

**Total Attachments: 63** 

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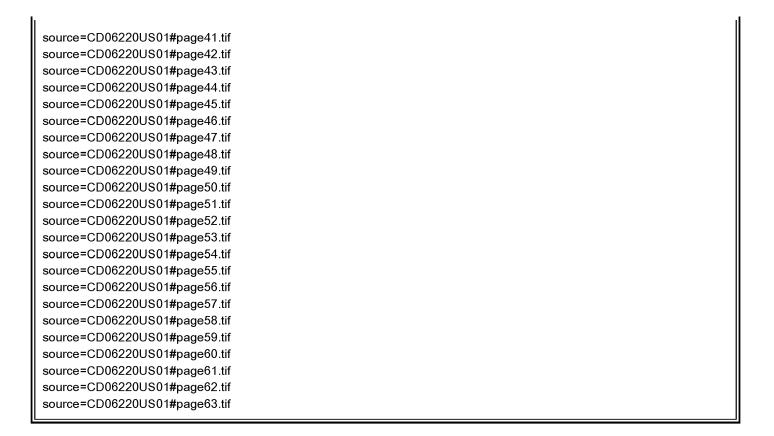
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PATENT CASE: CD06220US01

#### **ASSIGNMENT**

For good and valuable consideration paid to us,

(1)_	WENXUE WU	, (8) <u>CECILIA PROIETTI NEE OF</u>	777
(2) _	BOSCO D'SA	(9) SHANNON ZHAO	<b></b> ,
(3) _	FENG LIANG	, (10) HONG CHANG LEE	;
(4)	LOC THANH TRAN	_, (11) _ <b>YI</b> LIU	<u></u> ,
(5)	WILLIAM LEONG	, (12) HOA N. NGUYEN	·1
(6)	VILAS DAHANUKAR	, (13) XIONGWEI SHI	,
$(7)_{-}$	ILIA A. ZAVIALOV	, (14) <u>MAN ZHU</u>	
•	ectively residing at Princeton Junction, NJ	. (8) Westfield, NJ	1
(1)	Edison, NJ	(9) Littleton, MA	
(2)	Monmouth Junction, NJ	(10) Livingston, NJ	
$(3)_{-}$	Parsippany, NJ	(11) Clark, NJ	,
(4) <sub>.</sub> (5) <sub>.</sub>	Westfield, NJ	, (12) Dayton, NJ	,
(6)	Hyderabad, India	, (13) <u>Edison, NJ</u>	<u></u> ,
(7)	Princeton, NJ	, (14) <u>Clark, NJ</u>	

by SCHERING CORPORATION, a corporation organized under the laws of the State of New Jersey, United States of America, having its principal office at 2000 Galloping Hill Road, Kenilworth, New Jersey 07033, United States of America, (hereinafter called "ASSIGNEE"), we each do hereby sell, assign and transfer to said ASSIGNEE our entire rights, title and interest in all countries of the world in and to any and all of our inventions and discoveries described in the patent application entitled

SYNTHESIS OF CCR5 RECEPTOR ANTAGONISTS and officially identified\* by the United States Patent and Trademark Office as Application Number 11/326.154 filed on January 5 , 20 06 , and/or by the World Intellectual Property Organization as International Patent Application Number PCT/US2006/000262 filed on \_\_\_\_\_\_\_, 2006, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid inventions and discoveries in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement to which the United States now is or hereafter becomes a signatory, in and to any and all Letters Patent that are granted from any of the aforesaid patent applications, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said inventions, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns and other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in ASSIGNEE, its successors, assigns or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and that we will, at any time, upon the request and at the expense of ASSIGNEE, execute any additional or divisional applications for patents for said inventions and discoveries, or any part or parts thereof, and applications for patents of confirmation, registration and importation based on said Letters Patent and on Letters Patent issuing from said additional or divisional applications and reissues, renewals and extensions therefor, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

\*We hereby authorize **ASSIGNEE** to insert in this instrument the Application Number and the filing date of said application for Letters Patent when officially notified thereof.

Executed this 15th day of February 2006

Cherque hor.	
WENXUE WU	L.S.
ACKNOWLEDGEMENT	
State of Sta	
County of 1	200-110
vvenxue vvu to me known, and	, 2000 personally appeared before me thown by me to be the same person described in t, and acknowledged that he (she) executed the
same, of his (her) own free will for the purpo	

(Seal)

HOTARY PUBLIC OF NEW JERSEY Commission Expires 4/11/2006

**REEL: 023376 FRAME: 0249** 

Executed this	day of	, 20
		1.5
BOSCO D'SA		
ACKNOWLEDGE	EMENT	
State of	) s.s.:	
County of	) s.s	
Bosco D'Sa and who executed	to me know	, 20, personally appeared before me on, and known by me to be the same person described in rument, and acknowledged that he (she) executed the pe purpose set forth.
(Seal)		
		Notary Public
		, 20
FENG LIANG		L.S.
FENG LIANG		
ACKNOWLEDGE	MENT	
State of		
County of	) s.s.: )	
who executed the	day of to me known foregoing instrumer will for the purpose	, 20, personally appeared before me , and known by me to be the same person described in and nt, and acknowledged that he (she) executed the same, of set forth.
(Seal)		

PATENT REEL: 023376 FRAME: 0250

Notary Public

Executed this	day of		, 20
		í	s
LOC THANH TR		Market	
ACKNOWLEDGE	EMENT		
State of	)		
State of	)	s.s.:	
Loc Thanh Tra	an to m d the foregoing	e known, and instrument, a	, 20, personally appeared before med known by me to be the same person described in and acknowledged that he (she) executed the second
(Seal)	,	F F	
()			
			Notary Public
Executed this	day of		, 20
		L.S	S.
WILLIAM LEONG			
ACKNOWLEDGE	MENT		
State of	)		
State of	)	s.s.:	
On this	day of to m	e known, and	, 20, personally appeared before me I known by me to be the same person described in
and who executed same, of his (her)	the foregoing	instrument, a	and acknowledged that he (she) executed the
(Seal)			
			Notary Public

PATENT REEL: 023376 FRAME: 0251

Executed this day of	, 20
	I S
VILAS DAHANUKAR	_ 1.0.
ACKNOWLEDGEMENT	
State of)	
State of) s.s.: County of)	
Vilas Dahanukar to me known,	, 20, personally appeared before me and known by me to be the same person described in it, and acknowledged that he (she) executed the cose set forth.
(Seal)	
	Notary Public
Executed this day of	
MANAGE CONTRACTOR OF THE CONTR	L.S.
ILIA A. ZAVIALOV	
ACKNOWLEDGEMENT	
State of)	
) s.s.:	
On this day of	, 20, personally appeared before me and known by me to be the same person described in
and who executed the foregoing instruments ame, of his (her) own free will for the purp	t, and acknowledged that he (she) executed the
Seal)	
	Notary Public

PATENT REEL: 023376 FRAME: 0252

Executed this day of	;	, 20
	1	S
CECILIA ORR		
ACKNOWLEDGEMENT		
State of	)	
State of	) s.s.: )	
Cecilia Orr to 1	me known, and k g instrument, and	, 20, personally appeared before me nown by me to be the same person described in and acknowledged that he (she) executed the same, of th.
(Seal)	- pui,puod 001101	<b></b>
(Osai)		
		Notary Public
Executed this day of		_ , 20
	1	S
SHANNON ZHAO		
ACKNOWLEDGEMENT		
State of	)	
County of	) s.s.:	
	/ of	, 20, personally appeared before me
Shannon Zhao to	me known, and oing instrument,	known by me to be the same person described in and acknowledged that he (she) executed the
(Seal)		·········
Oddij		
		Notary Public

PATENT REEL: 023376 FRAME: 0253

Executed this	day of	, 20	
		L.S.	
HONG-CHANG L			
ACKNOWLEDGE	MENT		
State of	)		
County of	) s.s.:		
Hong-Chang L in and who execut	<b>_ee</b> to me k ted the foregoing ir	, 20, personally appeared before me known, and known by me to be the same person describe instrument, and acknowledged that he (she) executed the e purpose set forth.	d
(Seal)			
		Notary Public	
Executed this <u>&amp; r</u>	d day of Mer	ch, 2006.	
5	5>76	L.S.	
YI LIU			
ACKNOWLEDGE	MENT		
State of <u>Now -</u>	bersey ) s.s.:		
County of <u>Unite</u>	<u>On</u> )		
executed the foreg	to me known, and i	rch , 20 , personally appeared before me known by me to be the same person described in and who acknowledged that he (she) executed the same, of his forth.	o
Seal)			
		Asko. Pro Aprotoria	

ASHLY M. ARMSTRONG NOTARY PUBLIC OF NEW JERSEY Commission Expires 3/26/2008

Notary Public

PATENT

**REEL: 023376 FRAME: 0254** 

Executed this	_ day of	. 20
		L.S.
HOA N. NGUYEN		
ACKNOWLEDGEM	IENT	
State of	) s.s.:	
County of	)	
Hoa N. Nguyen	to me kr he foregoing inst	, 20, personally appeared before me own, and known by me to be the same person described in rument, and acknowledged that he (she) executed the e purpose set forth.
(Seal)		
		Notary Public
Executed this	day of	, 20
EXOCATOR THO	_ day or	
		L.S.
XIONGWEI SHI		
ACKNOWLEDGEM	ENT	
State of	)	
County of	) s.s.: )	
	day of	20 paragrally appeared before me
Xiongwei Shi and who executed the same, of his (her) over	he foregoing inst	, 20, personally appeared before me wn, and known by me to be the same person described in rument, and acknowledged that he (she) executed the e purpose set forth.
		, , == ========
(Seal)		

PATENT REEL: 023376 FRAME: 0255

Notary Public

Executed this day of	, 20
	L.S.
MAN ZHU	
ACKNOWLEDGEMENT	
State of) ) s.	g.'
County of	<b>.</b>
Man Zhu to me known,	, 20, personally appeared before me and known by me to be the same person described in and who t, and acknowledged that he (she) executed the same, of his set forth.
(Seal)	

PATENT REEL: 023376 FRAME: 0256

PATENT CASE: CD06220US01

Notary Public

PATENT CASE: CD06220US01

### **ASSIGNMENT**

For good and valuable consideration paid to us,

	WENXUE WU	, (8)	CECILIA PROIETTI NEE ORR
(1) _			SHANNON ZHAO
(2) _	BOSCO D'SA		
$(3)_{-}$	FENG LIANG	, (10) _	
(4)	LOC THANH TRAN	, (11) _	
(5) _	WILLIAM LEONG	, (12) .	HOA N. NGUYEN
	VILAS DAHANUKAR	(13)	XIONGWEI SHI
(6) <u> </u>	ILIA A. ZAVIALOV	(14)	MAN ZHU
$(7)_{\rightarrow}$	ILIA A. STORIS	· · · · ·	
	- History conjeding at		
HESL			
,-	ectively residing at		
•	·	. (8)	Westfield, NJ,
(1)_	Princeton Junction, NJ		Westfield, NJ
•	Princeton Junction, NJ Edison, NJ		Littleton, MA
(1)_	Princeton Junction, NJ Edison, NJ Monmouth Junction, NJ	, (9) , (10)	Littleton, MA Livingston, NJ
(1) _ (2) _ (3) _	Princeton Junction, NJ Edison, NJ Monmouth Junction, NJ		Littleton, MA Livingston, NJ Clark, NJ
(1) _ (2) _ (3) _ (4) _	Princeton Junction, NJ Edison, NJ Monmouth Junction, NJ Parsippany, NJ	, (9) , (10)	Littleton, MA Livingston, NJ
(1) _ (2) _ (3) _	Princeton Junction, NJ Edison, NJ Monmouth Junction, NJ		Littleton, MA Livingston, NJ Clark, NJ

by SCHERING CORPORATION, a corporation organized under the laws of the State of New Jersey, United States of America, having its principal office at 2000 Galloping Hill Road, Kenilworth, New Jersey 07033, United States of America, (hereinafter called "ASSIGNEE"), we each do hereby sell, assign and transfer to said ASSIGNEE our entire rights, title and interest in all countries of the world in and to any and all of our inventions and discoveries described in the patent application entitled

SYNTHESIS OF CCR5 RECEPTOR ANTAGONISTS

and officially identified\* by the United States Patent and Trademark Office as Application Number 11/326,154 filed on January 5, 20 06, and/or by the World Intellectual Property Organization as International Patent Application Number patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid inventions and discoveries in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement to which the United States now is or hereafter becomes a signatory, in and to any and all Letters Patent that are granted from any of the aforesaid patent applications, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said inventions, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns and other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

PATENT CASE: CD06220US01

And we hereby covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in **ASSIGNEE**, its successors, assigns or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and that we will, at any time, upon the request and at the expense of **ASSIGNEE**, execute any additional or divisional applications for patents for said inventions and discoveries, or any part or parts thereof, and applications for patents of confirmation, registration and importation based on said Letters Patent and on Letters Patent issuing from said additional or divisional applications and reissues, renewals and extensions therefor, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of **ASSIGNEE**, its successors, assigns or other legal representatives.

\*We hereby authorize **ASSIGNEE** to insert in this instrument the Application Number and the filing date of said application for Letters Patent when officially notified thereof.

Executed this day of	, 20
L,	S.
WENXUE WU	
ACKNOWLEDGEMENT	
State of)	
County of) s.s.:	
On this day of to me known, and k and who executed the foregoing instrument, a same, of his (her) own free will for the purpose	
(Seal)	
	Notary Public

Executed this	day of	, 20
		L.S.
BOSCO D'SA		
ACKNOWLEDGE	Chacait	
State of	) s.s.:	:
County of	)	
On this	day of	, 20, personally appeared before me wn, and known by me to be the same person described in
and who executed	d the foregoing inst	trument, and acknowledged that he (she) executed the ne purpose set forth.
(Seal)		
		Notary Public
Executed this	day of	, 20
ENG LIANG		L.S.
-ENG LIANG		
CKNOWLEDGE	MENT	
State of	)	
County of	) s.s.: )	
On this	day of	, 20, personally appeared before me
Feng Liang /ho executed the t	to me known	<ul> <li>and known by me to be the same person described in and ent, and acknowledged that he (she) executed the same, of</li> </ul>
Seal)		
		Notary Public

PATENT REEL: 023376 FRAME: 0259

Executed this 20 day of December	, 20 <u>05</u> .
- Varble- L	6
LOC THANH TRAN	5.
200 man man	
ACKNOWLEDGEMENT	
State of <u>New Jorsey</u> ) s.s.:  County of <u>Midslesex</u>	
County of Midslesex ) s.s.:	
	, 20 <u>⊘</u> ≲, personally appeared before me
<b>Loc Inanh Tran</b> to me known, and	known by me to be the same person described in
and who executed the foregoing instrument, a same, of his (her) own free will for the purpos	and acknowledged that he (she) executed the
(Seal)	JANET MARGARET ZNYSKI
(Geal)	NOTARY PUBLIC OF NEW JERSEY
	MY COMMISSION EXPIRES MAY 26, 2009
	110 000
	fanet Margaret Justice
	Notary Pullic
Executed this day of	, 20
WILLIAM LEONG	S.
WILLIAM LEONG	
ACKNOWLEDGEMENT	
State of)	
County of) s.s.:	
On this day of William Leong to me known, and	, 20, personally appeared before me known by me to be the same person described in
and who executed the foregoing instrument, as	nd acknowledged that he (she) executed the
same, of his (her) own free will for the purpose	set forth.
(Seal)	

PATENT REEL: 023376 FRAME: 0260

Notary Public

Executed this	day of	, 20
		L.S.
VILAS DAHANUK		
ACKNOWLEDGE		
State of	)	
County of	) s.s.: )	
On this Vilas Dahanuka	day of ar to me kn the foregoing instr	, 20, personally appeared before me own, and known by me to be the same person described in ument, and acknowledged that he (she) executed the purpose set forth.
(Seal)		
		Notary Public
Executed this		
ILIA A. ZAVIALOV		
ACKNOWLEDGEM	IENT	
State of		
County of	) s.s.: )	
On this Ilia A. Zavialov	to me kno he foregoing instru	, 20, personally appeared before me wn, and known by me to be the same person described in ment, and acknowledged that he (she) executed the
(Seal)		
		Notary Public

PATENT REEL: 023376 FRAME: 0261

Executed this	day of	, 20
		L.S.
CECILIA ORR		
ACKNOWLEDGE	MENT	
State of	) s.s.: )	
County of	)	
Cecilia Orr	to me known, a	, 20, personally appeared before me and known by me to be the same person described in and t, and acknowledged that he (she) executed the same, of
iis (her) own free v	will for the purpose s	set forth.
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		Notary Public
vacuted this	day of	20
Accuted this	_ day or	
		L.S.
HANNON ZHAO		
CKNOWLEDGEN	/ENT	
tate of	)	
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ounty of	<del></del>	
Shannon Zhao nd who executed t	to me known,	, 20, personally appeared before me , and known by me to be the same person described in ment, and acknowledged that he (she) executed the purpose set forth.
Seal)	·	
		Notary Public

PATENT REEL: 023376 FRAME: 0262

Executed this	day of	, 20
		L.S.
HONG-CHANG L		
ACKNOWLEDGE	EMENT	
State of	)	
State of County of	) )	.s.:
Hong-Chang L in and who execut	.ee to regoing to the tend the foregoing tendence the tendence to the tendence tendence to the tendence tendenc	, 20, personally appeared before me se known, and known by me to be the same person described g instrument, and acknowledged that he (she) executed the r the purpose set forth.
(Seal)		and purposed doctrorum
,		
		Notary Public
Executed this	day of	, 20
	1-00-0	L.S.
YI LIU		
ACKNOWLEDGE	MENT	
State of		
County of	) s )	s.:
On this	day of	, 20, personally appeared before me and known by me to be the same person described in and who
executed the foregoner) own free will f	oing instrumer	, and acknowledged that he (she) executed the same, of his
Seal)		
		Notary Public

PATENT REEL: 023376 FRAME: 0263

Executed this	day of	, 20
		L.S.
HOA N. NGUYE		
ACKNOWLEDG	EMENT	
State of	) s.s.: )	
County of	) 3.3	
Hoa N. Nguye and who execute	n to me known, a	, 20, personally appeared before me and known by me to be the same person described in t, and acknowledged that he (she) executed the ose set forth.
(Seal)		
		Notary Public
Executed this	day of	, 20
		L.S.
XIONGWEI SHI		
ACKNOWLEDGE	MENT	
State of	) ) s.s.:	
County of	) 5.5	
Xiongwei Shi and who executed	to me known, and	, 20, personally appeared before me discribed in and acknowledged that he (she) executed the use set forth.
Seal)		
		<u></u>
		Notary Public

PATENT REEL: 023376 FRAME: 0264

Executed this day of, 20	
L.S.	
MAN ZHU	
ACKNOWLEDGEMENT	
State of) ) s.s.:	
County of)	
On this day of, 20, personally appeared before me	who s
(Seal)	

Notary Public

PATENT CASE: CD06220US01

#### **ASSIGNMENT**

For good and valuable consideration paid to us,

(4)	WENXUE WU	, (8)	CECILIA PROIETTI NEE ORR
(1) <sub>-</sub>	BOSCO D'SA		SHANNON ZHAO
(2) _			HONG CHANG LEE
(3) _	FENG LIANG		YI LIU
(4)	LOC THANH TRAN	_, (11) .	
(5)	WILLIAM LEONG	, (12) .	HOA N. NGUYEN
(6)	VILAS DAHANUKAR	, (13) .	
(7) <u> </u>	ILIA A. ZAVIALOV		MAN ZHU,
	pectively residing at Princeton Junction, NJ	. (8)	Westfield, NJ
$\binom{1}{2}$ .	Edison, NJ	(9)	Littleton, MA
$\binom{2}{2}$ .	Monmouth Junction, NJ	(10)	Livingston, NJ
(3)	Parsippany, NJ		Clark, NJ
<b>(4)</b> .		(12)	Dayton, NJ
(5)	Westfield, NJ	(13)	Edison, NJ
(6)	Hyderabad, India Princeton, NJ	, (13) , (14)	
(7)			

by SCHERING CORPORATION, a corporation organized under the laws of the State of New Jersey, United States of America, having its principal office at 2000 Galloping Hill Road, Kenilworth, New Jersey 07033, United States of America, (hereinafter called "ASSIGNEE"), we each do hereby sell, assign and transfer to said ASSIGNEE our entire rights, title and interest in all countries of the world in and to any and all of our inventions and discoveries described in the patent application entitled

SYNTHESIS OF CCR5 RECEPTOR ANTAGONISTS

and officially identified\* by the United States Patent and Trademark Office as Application Number 11/326.154 filed on January 5, 20 06, and/or by the World Intellectual Property Organization as International Patent Application Number PCT/US2006/000262 filed on \_\_\_\_\_\_\_\_, 2006 , in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid inventions and discoveries in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement to which the United States now is or hereafter becomes a signatory, in and to any and all Letters Patent that are granted from any of the aforesaid patent applications, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said inventions, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns and other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

PATENT CASE: CD06220US01

And we hereby covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in ASSIGNEE, its successors, assigns or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and that we will, at any time, upon the request and at the expense of ASSIGNEE, execute any additional or divisional applications for patents for said inventions and discoveries, or any part or parts thereof, and applications for patents of confirmation, registration and importation based on said Letters Patent and on Letters Patent issuing from said additional or divisional applications and reissues, renewals and extensions therefor, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

\*We hereby authorize **ASSIGNEE** to insert in this instrument the Application Number and the filing date of said application for Letters Patent when officially notified thereof.

Executed this day of	, 20
	_ L.S.
WENXUE WU	
ACKNOWLEDGEMENT	
State of)	
State of) s.s.:  County of)	
Wenxue Wu to me known, as	, 20, personally appeared before me and known by me to be the same person described in ent, and acknowledged that he (she) executed the rpose set forth.
(Seal)	
	Notary Public

PATENT REEL: 023376 FRAME: 0268

Executed this day of	, 20
	_ L.S.
OC THANH TRAN	
CKNOWLEDGEMENT	
State of)	
state of) ) s.s.: County of)	
Loc Thanh Tran to me known,	, 20, personally appeared before me and known by me to be the same person described in nt, and acknowledged that he (she) executed the pose set forth.
Seal)	
	Notary Public
xecuted this day of	, 20
	_ L.S.
ILLIAM LEONG	
CKNOWLEDGEMENT	
ate of) ) s.s.:	
ounty of)	
William Leong to me known, a	, 20, personally appeared before me and known by me to be the same person described in and acknowledged that he (she) executed the
eal)	
<del>,</del>	
	Notary Public

PATENT REEL: 023376 FRAME: 0269

PATENT REEL: 023376 FRAME: 0270

Notary Public

Executed this day of	, 20
	L.S.
CECILIA ORR	
ACKNOWLEDGEMENT	
State of) ) s.s.:	
County of) s.s.:	
On this day of Cecilia Orr to me known, and	, 20, personally appeared before me known by me to be the same person described in and d acknowledged that he (she) executed the same, of
his (her) own free will for the purpose set for	orth.
(Seal)	
	Notary Public
Executed this day of	
	L.S.
SHANNON ZHAO	
ACKNOWLEDGEMENT	
State of)	
) s.s.: County of)	
On this day of Shannon Zhao to me known, and and who executed the foregoing instrument,	, 20, personally appeared before me known by me to be the same person described in and acknowledged that he (she) executed the
same, of his (her) own free will for the purpo	se set forth.
Seal)	
	Notani Dublia
	Notary Public

PATENT REEL: 023376 FRAME: 0271

Executed this	day of	, 20
		L.S.
HONG-CHANG		
ACKNOWLEDGI	EMENT	
State of	)	
County of	) ) s.s.	
Hong-Chang I in and who execu	Lee to me ited the foregoing i	, 20, personally appeared before me known, and known by me to be the same person described instrument, and acknowledged that he (she) executed the purpose set forth.
(Seal)		
		Notary Public
	day of	, 20 L.S.
YI LIU		
ACKNOWLEDGE	MENT	
State of		
County of	) s.s.: )	
On this Yi Liur executed the foreg	day of _ to me known, and	, 20, personally appeared before med known by me to be the same person described in and who and acknowledged that he (she) executed the same, of his t forth.
Seal)		
		Notary Public

PATENT REEL: 023376 FRAME: 0272

Executed this	day of	, 20
		L.S.
HOA N. NGUYEN		
ACKNOWLEDGE	MENT	
State of		
County of	) ) s.s.: )	•
Hoa N. Nguyer and who executed	n to me kn I the foregoing inst	, 20, personally appeared before me nown, and known by me to be the same person described in trument, and acknowledged that he (she) executed the ne purpose set forth.
Seal)		
		Notary Public
Executed this	day of	, 20
(IONGWEI SHI	* *	L.S.
JONGWEI SHI		
CKNOWLEDGE	MENT	
tate of	) ) s.s.:	
ounty of	) 3.3	
Xiongwei Shi	day of to me know	, 20, personally appeared before me wn, and known by me to be the same person described in
nd who executed	the foregoing instr	rument, and acknowledged that he (she) executed the e purpose set forth.
Seal)		
,		
		Notary Public

PATENT REEL: 023376 FRAME: 0273

Executed this	day of	20		
	ddy or		**************************************	
MAN ZHU	71000	_ L.S.		
ACKNOWLEDGE	MENT			
State of	)			
County of	) s.s.: )			
<u>Man Zhu</u>	_ to me known, and kno	own by me to	, personally appeared before me be the same person described in a	and who
executed the foreg	poing instrument, and action for the purpose set forth	cknowledged	that he (she) executed the same,	of his
(Seal)				

PATENT REEL: 023376 FRAME: 0274

PATENT CASE: CD06220US01

Notary Public

PATENT CASE: CD06220US01

### **ASSIGNMENT**

For good and valuable consideration paid to us.

(1)	WENXUE WU		CECILIA PROIETTI NEE ORR.
(2)	BOSCO D'SA		SHANNON ZHAO
(3)	FENG LIANG	(10)	HONG CHANG LEE
(4)	LOC THANH TRAN	, (11)	YILIU
(5)	WILLIAM LEONG	, (12)	HOA N. NGUYEN
(6)	VILAS DAHANUKAR	(13)	XIONGWEI SHI
(7)	ILIA A. ZAVIALOV		MAN ZHU
res <sub> </sub> (1)	pectively residing at  Princeton Junction, NJ	, (8)	Westfield, NJ
(2)	Edison, NJ		Littleton, MA
(3)	Monmouth Junction, NJ	(10)	Livingston, NJ ,
(4)	Parsippany, NJ	, (11)	Clark, NJ
(5)	Westfield, NJ	, (12)	Dayton, NJ ,
(6)	Hyderabad, India	, (13)	Edison, NJ
(7)	Princeton, NJ	. (14)	Clark, NJ

by SCHERING CORPORATION, a corporation organized under the laws of the State of New Jersey, United States of America, having its principal office at 2000 Galloping Hill Road, Kenilworth, New Jersey 07033, United States of America, (hereinafter called "ASSIGNEE"), we each do hereby sell, assign and transfer to said ASSIGNEE our entire rights, title and interest in all countries of the world in and to any and all of our inventions and discoveries described in the patent application entitled

# SYNTHESIS OF CCR5 RECEPTOR ANTAGONISTS

and officially identified\* by the United States Patent and Trademark Office as Application Number 11/326,154 filed on January 5, 20 06, and/or by the World Intellectual Property Organization as International Patent Application Number PCT/US2006/000262 filed on January 5 \_\_, 2006, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid inventions and discoveries in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement to which the United States now is or hereafter becomes a signatory, in and to any and all Letters Patent that are granted from any of the aforesaid patent applications, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said inventions, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns and other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

PATENT CASE: CD06220US01

And we hereby covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in ASSIGNEE, its successors, assigns or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and that we will, at any time, upon the request and at the expense of ASSIGNEE, execute any additional or divisional applications for patents for said inventions and discoveries, or any part or parts thereof, and applications for patents of confirmation, registration and importation based on said Letters Patent and on Letters Patent issuing from said additional or divisional applications and reissues, renewals and extensions therefor, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

\*We hereby authorize **ASSIGNEE** to insert in this instrument the Application Number and the filing date of said application for Letters Patent when officially notified thereof.

Executed this	day of	, 20		
		L.S.		
WENXUE WU				
ACKNOWLEDGEME	NT			
State of				
County of	) s.s.: )			
On this Wenxue Wu and who executed the same, of his (her) own	to me known, ar foregoing instrume	nd known by me nt, and acknowl	personally appeared to be the same person edged that he (she) e	on described in
(Seal)				
			Nede - D. C.	
			Notary Public	

Executed this day of
L.S.
BOSCO D'SA
ACKNOWLEDGEMENT
State of)
State of)
On this day of, 20, personally appeared before me some known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.
(Seal)
Notary Public
Notary Fabilic
Executed this day of, 20
L.S.
FENG LIANG
ACKNOWLEDGEMENT
State of)
) s.s.: County of
On this day of, 20, personally appeared before me to me known, and known by me to be the same person described in and
<b>Feng Liang</b> to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.
(Seal)

PATENT REEL: 023376 FRAME: 0277

Notary Public

Executed this day of	, 20
	_ Ł.S.
LOC THANH TRAN	
ACKNOWLEDGEMENT	
State of) s.s.: County of)	
County of)	
Loc Thanh Tran to me known,	, 20, personally appeared before me and known by me to be the same person described i ent, and acknowledged that he (she) executed the pose set forth.
(Seal)	
	Notary Public
	•
Executed this day of	, 20
	L.S.
WILLIAM LEONG	
ACKNOWLEDGEMENT	
State of) s.s.:	
County of	
William Leong to me known,	, 20, personally appeared before me and known by me to be the same person described in t, and acknowledged that he (she) executed the pose set forth.
(Seal)	

PATENT REEL: 023376 FRAME: 0278

Notary Public

Executed this day of, 20
L.S.
VILAS DAHANUKAR
ACKNOWLEDGEMENT
State of)
) s.s.: County of)
On this day of, 20, personally appeared before me to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.
(Seal)
Notary Public
Executed this day of, 20
L.S.
ILIA A. ZAVIALOV
ACKNOWLEDGEMENT
State of) s.s.:
County of
 On this day of, 20, personally appeared before me to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.
(Seal)

PATENT REEL: 023376 FRAME: 0279

Notary Public

Executed this day of Cet , 20 67.  L.S.  CECILIA PROIETTI
ACKNOWLEDGEMENT
State of Men Jerney s.s.:
On this 12 day of October, 20 9, personally appeared before me
On this day of (20
(Seal)
Executed this day of L.S.  PIA ROCEL S. PARAS-SANJURJO  NOTARY PUBLIC OF NEW JERSEY  My Commission Expires December 29, 2011
SHANNON ZHAO
ACKNOWLEDGEMENT
State of)
County of)
On this day of, 20, personally appeared before me to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.
(Seal)

PATENT REEL: 023376 FRAME: 0280

Notary Public

Executed this day of	, 20
L.	S.
HONG-CHANG LEE	
ACKNOWLEDGEMENT	
State of) s.s.:  County of)	
On this day of Hong-Chang Lee to me known, an	, 20, personally appeared before me nd known by me to be the same person described t, and acknowledged that he (she) executed the e set forth.
(Seal)	
	Notary Public
Executed this day of,	
YILIU	
ACKNOWLEDGEMENT	
State of) s.s.:	
County of	
YI Liu to me known, and known by	_ , 20, personally appeared before me me to be the same person described in and who wledged that he (she) executed the same, of his
(Seal)	
-	
	Notary Public

PATENT REEL: 023376 FRAME: 0281

Executed this day of , 20	_·
L.S.	
HOA N. NGUYEN	
ACKNOWLEDGEMENT	
State of) s.s.:	
) s.s.: County of)	
On this day of , 20 to me known, and known by and who executed the foregoing instrument, and acknow same, of his (her) own free will for the purpose set forth.	me to be the same person described in wledged that he (she) executed the
(Seal)	
	Notary Public
Executed this day of, 20LS.  XIONGWEI SHI	·
ACKNOWLEDGEMENT	
State of)	
County of	
On this day of, 20	ne to be the same person described in
same, of his (her) own free will for the purpose set forth.	radged that he (she) excedited the
(Seal)	
	Neton Cublic
	Notary Public

PATENT REEL: 023376 FRAME: 0282

Executed this	_ day of	, 20
MAN ZHU		_ L.S.
MAN ZHU		
ACKNOWLEDGEN	IENT	
State of	) e e .	
County of	) 5.5	
Man Zhu	to me known, and kno	, 20, personally appeared before me own by me to be the same person described in and who
executed the forego	ing instrument, and ac or the purpose set forth	knowledged that he (she) executed the same, of his
(Seal)		
		Motory Dublic
		Notary Public

Assignment (Joint) Page 9

## ASSIGNMENT

For good and valuable consideration paid to us,

(1) _	WENXUE WU	, (8)	CECILIA PROIETTI NEE OKK
(2)	BOSCO D'SA	(9)	SHANNON ZHAO
( <del>2</del> ) _ (3)	FENG LIANG	(10)	HONG CHANG LEE
(3) <u> </u>	LOC THANH TRAN	(11)	YI LIU
(5) _	WILLIAM LEONG	, (12)	HOA N. NGUYEN
(6) <u> </u>	VILAS DAHANUKAR	(13)	XIONGWEI SHI
(7) _	ILIA A. ZAVIALOV	(14)	MAN ZHU
•	ectively residing at		
$(1)_{-}$	Delegator lunction NI	(8)	Westfield NJ .
/ CO \	Princeton Junction, NJ		Westfield, NJ
$(2)_{-}$	Edison, NJ		Littleton, MA
(3) _	Edison, NJ Monmouth Junction, NJ	, (9) , (10)	Littleton, MA Livingston, NJ
(3) _ (4) _	Edison, NJ Monmouth Junction, NJ Parsippany, NJ	(9) (10) (11)	Littleton, MA , Livingston, NJ , Clark, NJ ,
(3) _ (4) _ (5) _	Edison, NJ Monmouth Junction, NJ Parsippany, NJ Westfield, NJ	(9) (10) (11) (12)	Littleton, MA Livingston, NJ Clark, NJ Dayton, NJ
(3) _ (4) _	Edison, NJ Monmouth Junction, NJ Parsippany, NJ	(9) (10) (11) (12) (13)	Littleton, MA Livingston, NJ Clark, NJ Dayton, NJ

by SCHERING CORPORATION, a corporation organized under the laws of the State of New Jersey, United States of America, having its principal office at 2000 Galloping Hill Road, Kenilworth, New Jersey 07033, United States of America, (hereinafter called "ASSIGNEE"), we each do hereby sell, assign and transfer to said ASSIGNEE our entire rights, title and interest in all countries of the world in and to any and all of our inventions and discoveries described in the patent application entitled

SYNTHESIS OF CCR5 RECEPTOR ANTAGONISTS
and officially identified\* by the United States Patent and Trademark Office as Application

Number 11/326,154 filed on January 5 20 06, and/or by the World Intellectual Property Organization as International Patent Application Number patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid inventions and discoveries in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement to which the United States now is or hereafter becomes a signatory, in and to any and all Letters Patent that are granted from any of the aforesaid patent applications, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said inventions, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns and other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in ASSIGNEE, its successors, assigns or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and that we will, at any time, upon the request and at the expense of ASSIGNEE, execute any additional or divisional applications for patents for said inventions and discoveries, or any part or parts thereof, and applications for patents of confirmation, registration and importation based on said Letters Patent and on Letters Patent issuing from said additional or divisional applications and reissues, renewals and extensions therefor, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

\*We hereby authorize **ASSIGNEE** to insert in this instrument the Application Number and the filing date of said application for Letters Patent when officially notified thereof.

Executed this	_ day of	, 20	- <del>-</del>	
	1100 MIN A 40 V A	L.S.		
WENXUE WU				
ACKNOWLEDGEM	IENT			
State of	)			
County of	) s.s.: )			
Wenxue Wu	to me known ne foregoing instru	n, and known by m ment, and acknow	_, personally appeared before eto be the same person described (she) executed (she) executed	ribed in
		<u> </u>	Notary Public	<del></del>

Executed this	day of	, 20
MANAGEMENT AND ANALYSIS LINE	111111111111111111111111111111111111111	L.S.
BOSCO D'SA		
ACKNOWLEDGEN	<b>MENT</b>	
State of		
State of	) S.S.: )	
<u>Bosco D'Sa</u>	to me know he foregoing instri	, 20, personally appeared before me n, and known by me to be the same person described in ument, and acknowledged that he (she) executed the purpose set forth.
(Seal)		
		Notary Public
Executed this	day of	
FENG LIANG		
ACKNOWLEDGEM	ENT	
State of		
County of	) s.s.: )	
On this	day of	, 20, personally appeared before me
reng Liang	to me known, regoing instrument	and known by me to be the same person described in and t, and acknowledged that he (she) executed the same, of
(Seal)		
		Notary Public

PATENT REEL: 023376 FRAME: 0286

Executed this day of ,	20
L.s	
LOC THANH TRAN	
ACKNOWLEDGEMENT	
State of) ) s.s.:	
) s.s.: County of)	
On this day of	_, 20, personally appeared before me nown by me to be the same person described in d acknowledged that he (she) executed the set forth.
(Seal)	
_	
	Notary Public
Executed this day of , 2L.S.  WILLIAM LEONG	20
ACKNOWLEDGEMENT	
State of)	
) s.s.: County of	
	, 20, personally appeared before me nown by me to be the same person described in acknowledged that he (she) executed the
(Seal)	
<del></del>	Notary Public

PATENT REEL: 023376 FRAME: 0287

Executed this	day of	, 20
VILAS DAHANUH	KAR	L.S.
ACKNOWLEDGE	MENT	
State of		
County of	) s )	.S.:
Vilas Dahanuka and who executed	ar to me the foregoing i	, 20, personally appeared before me known, and known by me to be the same person described in astrument, and acknowledged that he (she) executed the the purpose set forth.
(Seal)		
		Notary Public
		Notary Public
Executed this	day of	, 20
ILIA A. ZAVIALOV		L.S.
ILIA A. ZAVIALOV		
ACKNOWLEDGEN	AENT.	
State of		
County of	) s.s	6.:
		20 porcenally appeared before me
and who executed t	ne roregoing in	, 20, personally appeared before me known, and known by me to be the same person described in strument, and acknowledged that he (she) executed the the purpose set forth.
(Seal)		
		Notary Public

PATENT REEL: 023376 FRAME: 0288

JOY A. HENDRIER SUN Notary Public Commonwealth or Massachusetts My Commission Expires January 13, 2006

(Seal)

Joys a Hudrels-

Notary Public

Executed this	day of	, 20
		L.S.
HONG-CHANG LE		
ACKNOWLEDGEN	MENT	
State of	)	
State of	) s.s.: )	
On this Hong-Chang Le	day of to me kred the foregoing ins	, 20, personally appeared before me nown, and known by me to be the same person described strument, and acknowledged that he (she) executed the purpose set forth.
(Seal)		
		Notary Public
Transito de la	al. e	
Executed this	_ day of	, , 20
		L.S.
YI LIU		
ACKNOWLEDGEM	ENT	
State of	) ) s.s.:	
County of		
executea the foregoi	ing instrument, and	, 20, personally appeared before me known by me to be the same person described in and who acknowledged that he (she) executed the same, of his
her) own free will fo	r the purpose set f	orth.
Seal)		
		Notary Public

PATENT REEL: 023376 FRAME: 0290

Executed this day of	, 20
	L.S.
HOA N. NGUYEN	
ACKNOWLEDGEMENT	
State of) ) s.s.:	
County of) s.s.:	
On this day of <b>Hoa N. Nguyen</b> to me known, a	, 20, personally appeared before me and known by me to be the same person described in t, and acknowledged that he (she) executed the cose set forth.
(Seal)	
	Notary Public
Executed this day of	
ACKNOWLEDGEMENT	
State of)	
County of	
<b>xiongwei Shi</b> to me known, and	, 20, personally appeared before med known by me to be the same person described in and acknowledged that he (she) executed the bese set forth.
(Seal)	
	Notary Public

PATENT REEL: 023376 FRAME: 0291

Assignment (Joint)	Page 9		PATENT CASE: CD06220US01
Executed this	day of	, 20	·
MAN ZHU		L.S.	
ACKNOWLEDGE	MENT		
State of			
Man Zhu executed the foreg	to me known, and l	known by me to l acknowledged	, personally appeared before me be the same person described in and who that he (she) executed the same, of his
(Seal)			

Notary Public

## **ASSIGNMENT**

For good and valuable consideration paid to us,

WENYIIF WU	. (8)	CECILIA PROIETTI NEE OR	<u>iR</u>
	(9)	SHANNON ZHAO	_1
	(10)	HONG CHANG LEE	_,
	(11)	YI LIU	٠.,
	(12)	HOA N. NGUYEN	1
	(13)	XIONGWEI SHI	,
			5
pectively residing at	. (8)	Westfield, NJ	,
I IIICCIOII CUITCUSTII TV			
Edison N.I	. (9)		1
Edison, NJ Monmouth Junction, NJ	, (9) , (10)	Littleton, MA Livingston, NJ	
Monmouth Junction, NJ	<del></del>	Littleton, MA	' '
Monmouth Junction, NJ Parsippany, NJ	, (10) , (11)	Littleton, MA Livingston, NJ	_' _' _'
Monmouth Junction, NJ	(10) (11) (12) (13)	Littleton, MA Livingston, NJ Clark, NJ	
	WENXUE WU BOSCO D'SA FENG LIANG LOC THANH TRAN WILLIAM LEONG VILAS DAHANUKAR ILIA A. ZAVIALOV Dectively residing at Princeton Junction, NJ	BOSCO D'SA (9) FENG LIANG (10) LOC THANH TRAN (11) WILLIAM LEONG (12) VILAS DAHANUKAR (13) ILIA A. ZAVIALOV (14) Dectively residing at	BOSCO D'SA (9) SHANNON ZHAO FENG LIANG (10) HONG CHANG LEE LOC THANH TRAN (11) YI LIU WILLIAM LEONG (12) HOA N. NGUYEN VILAS DAHANUKAR (13) XIONGWEI SHI ILIA A. ZAVIALOV (14) MAN ZHU Dectively residing at

by SCHERING CORPORATION, a corporation organized under the laws of the State of New Jersey, United States of America, having its principal office at 2000 Galloping Hill Road, Kenilworth, New Jersey 07033, United States of America, (hereinafter called "ASSIGNEE"), we each do hereby sell, assign and transfer to said ASSIGNEE our entire rights, title and interest in all countries of the world in and to any and all of our inventions and discoveries described in the patent application entitled

SYNTHESIS OF CCR5 RECEPTOR ANTAGONISTS and officially identified\* by the United States Patent and Trademark Office as Application Number 11/326,154 filed on January 5, 20 06, and/or by the World Intellectual Property Organization as International Patent Application Number \_\_\_\_, 20**06** , in and to the right to file January 5 PCT/US2006/000262 filed on \_\_ patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid inventions and discoveries in all countries of the world, together with ail rights of priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement to which the United States now is or hereafter becomes a signatory, in and to any and all Letters Patent that are granted from any of the aforesaid patent applications, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said inventions, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns and other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in ASSIGNEE, its successors, assigns or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and that we will, at any time, upon the request and at the expense of ASSIGNEE, execute any additional or divisional applications for patents for said inventions and discoveries, or any part or parts thereof, and applications for patents of confirmation, registration and importation based on said Letters Patent and on Letters Patent issuing from said additional or divisional applications and reissues, renewals and extensions therefor, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

\*We hereby authorize **ASSIGNEE** to insert in this instrument the Application Number and the filing date of said application for Letters Patent when officially notified thereof.

Executed this	day of	, 20		
		L.S.		
WENXUE WU				
ACKNOWLEDGEME	ENT			
State of	)			
County of	) s.s.: )			
Wenxue Wu	to me known, a e foregoing instrume	and known by me to ent, and acknowled	ersonally appeared before be the same person des ged that he (she) execute	cribed in
(Seal)				
		***************************************	Notary Public	<del></del>

PATENT REEL: 023376 FRAME: 0295

Notary Public

Executed this day of	, 20
	L.S.
LOC THANH TRAN	
ACKNOWLEDGEMENT	
State of)	
) s.s.: County of)	
	20 mars and by appropried before me
Loc Thanh Tran to me known, a	, 20, personally appeared before me and known by me to be the same person described in
and who executed the foregoing instrumen same, of his (her) own free will for the purp	t, and acknowledged that he (she) executed the
(Seal)	
	Notary Public
Executed this day of	, 20
	ıe
WILLIAM LEONG	L.G.
ACKNOWLEDGEMENT	
State of) s.s.:	
) s.s.:	
	, 20, personally appeared before me
William Leong to me known, a	nd known by me to be the same person described in
and who executed the foregoing instrument same, of his (her) own free will for the purpo	t, and acknowledged that he (she) executed the ose set forth.
(Seal)	
(550)	
	Notary Public

PATENT REEL: 023376 FRAME: 0296

Executed this day of, 20
L.S.  VILAS DAHANUKAR
VILAS DAHANUKAK
ACKNOWLEDGEMENT
State of) ) s.s.: County of)
County of)
On this day of, 20, personally appeared before me to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.
(Seal)
Notary Public
Executed this day of , 20
L.\$.
ILIA A. ZAVIALOV
A OKA OMA ED OFINENT
ACKNOWLEDGEMENT State of)
) s.s.:
On this day of, 20, personally appeared before me to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.
Seal)
Notary Public

PATENT REEL: 023376 FRAME: 0297

PATENT REEL: 023376 FRAME: 0298

Notary Public

PATENT REEL: 023376 FRAME: 0299

Notary Public

Executed this	day of	, 20
		L.S.
HOA N. NGUYEN	V	
ACKNOWLEDGE	MENT	
State of	) ) s.s.:	
State of	) S.S.: )	
Hoa N. Nguyer and who executed	n to me known	, 20, personally appeared before me n, and known by me to be the same person described in ent, and acknowledged that he (she) executed the urpose set forth.
(Seal)		
		Notary Public
	day of July	
XIONGWEI SHI		
WITNESS		
described in this in	nstrument, iñ my presei	6. Xiongwei Shi, known to me to be the same person nce executed the foregoing and acknowledged that he n free will for the purposes set forth.
Hao	Wu	
Signature (Witnes	*	The state of the s
	Mu	
Print Name and po	ostal address	
Hongbo Hi Signature (Witness	u	
Hongboth	K	
Print Name and po	ostal address	

PATENT REEL: 023376 FRAME: 0301

PATENT CASE: CD06220US01

Notary Public

## **ASSIGNMENT**

For good and valuable consideration paid to us,

(1)	WENXUE WU	, (8)	CECILIA PROIETTI NEE ORR
(1) <u>-</u> (2) <u>-</u>	BOSCO D'SA	(9) <u> </u>	SHANNON ZHAO
(3)	FENG LIANG	, (10)	HONG CHANG LEE
(4) <u> </u>	LOC THANH TRAN	(11)	YI LIU
(5)	WILLIAM LEONG	, (12)	HOA N. NGUYEN
(6)	VILAS DAHANUKAR	(13)	XIONGWEI SHI
(7)	ILIA A. ZAVIALOV	~ (14)	MAN ZHU
•	pectively residing at Princeton Junction, NJ	. (8)	Westfield, NJ
(1) . (2) .	Edison, NJ	~. . (9)	Littleton, MA
(2).	Monmouth Junction, NJ	~ (10)	Livingston, NJ
(4)	Parsippany, NJ		Clark, NJ
(5)	Westfield, NJ		Dayton, NJ .
(6)	Hyderabad, India	_, (13)	Edison, NJ,
1-7		. (14)	Clark, NJ

by SCHERING CORPORATION, a corporation organized under the laws of the State of New Jersey, United States of America, having its principal office at 2000 Galloping Hill Road, Kenilworth, New Jersey 07033, United States of America, (hereinafter called "ASSIGNEE"), we each do hereby sell, assign and transfer to said ASSIGNEE our entire rights, title and interest in all countries of the world in and to any and all of our inventions and discoveries described in the patent application entitled

SYNTHESIS OF CCR5 RECEPTOR ANTAGONISTS

and officially identified\* by the United States Patent and Trademark Office as Application 11/326,154 filed on <u>January 5</u>, 20 **06**, and/or by the World Property Organization as International Patent Application Number Intellectual Property \_\_\_\_\_, 20<u>06</u> , in and to the right to file PCT/US2006/000262 filed on \_\_\_ January 5 patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid inventions and discoveries in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement to which the United States now is or hereafter becomes a signatory, in and to any and all Letters Patent that are granted from any of the aforesaid patent applications, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said inventions, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns and other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

from said additional or divisional applications and reissues, renewals and extensions therefor, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of **ASSIGNEE**, its successors, assigns or other legal representatives.

\*We hereby authorize **ASSIGNEE** to insert in this instrument the Application Number and the filing date of said application for Letters Patent when officially notified thereof.

Executed this , 20	
L.S.	
WENXUE WU	
ACKNOWLEDGEMENT	
State of)	
County of) s.s.:	
On this day of, 20, pers to me known, and known by me to be who executed the foregoing instrument, and acknowledged that (her) own free will for the purpose set forth.	the same person described in and
(Seal)	
	Notany Public

Executed this <u>09</u> day of <u>Jan</u> , 20 <u>06</u> .
L.S.
BOSCO D'SA
ACKNOWLEDGEMENT  State of
Cynthan Jamble Notary Public
Executed this of day of Jan., 2006.  Cynthea Gamble Notary Public, State of New Jersey No. 2189978 No. 2189978 My Commission Expires June 26, 2006  L.S.
FENG LIANG
ACKNOWLEDGEMENT  State of
(Seal)
Cyntles Hamble Notary Public

Cynthea Gample Notary Public, State of New Jersey No. 2189978 My Coustain Contras June 26, 2006

Executed this	day of	, 20
		L.S.
LOC THANH TRA		
ACKNOWLEDGE	MENT	
State of	) ) ) ) ) )	
County of	) 5.5	
Loc Thanh Tra who executed the	ı <b>n</b> to me knowi	, 20, personally appeared before me in, and known by me to be the same person described in and and acknowledged that he (she) executed the same, of his orth.
(Seal)		
		Nickens D. 112
		Notary Public
Executed this O	day of Jour	, 20 <i>0 6</i> .
William	day of Jon	L.S.
WILLIAM LEONS		<del></del>
ACKNOWLEDGE	MENT	
State of $\{\mathcal{N}}$	) s.s.:	
County of <u>UM</u>	) s.s.:	
wno executed the t	to me known to me	12006, personally appeared before me n, and known by me to be the same person described in and and acknowledged that he (she) executed the same, of his
(Neal)	or are purpose set for	wi.
		$\wedge$ , $1/2$ .

Cynthes Gamble
Notery Public, State of New Jersey
No. 2189978
My Commission Expires June 26, 2006

Notary Public

County of Linear

(her) own free will for the purpose set forth.

(Seal)

Notary Public Oynthea Gamble Notary Public, State of New Jersey No. 2189978 My Commission Expires June 26, 2006

PATENT REEL: 023376 FRAME: 0307

Notary Public

(Seal)

PATENT REEL: 023376 FRAME: 0308

Notary Public

Executed this 9 day of January 2006
Executed this 9 day of Vanuary , 20 06.  Cochoa L.S.
HOA N. NGUYEN
ACKNOWLEDGEMENT  State of
(Seal)
Cynthea Gamble Notary Public, State of New Jersey No. 2189978 My Commission Expires June 26, 2006
L,S.
XIONGWEI SHI
ACKNOWLEDGEMENT
State of) s.s.:  County of)
On this day of, 20, personally appeared before me
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PATENT REEL: 023376 FRAME: 0309

Notary Public

Assignment (Jo	oint) i	Page 9	
Evaputed this	a	d	T

Executed this	9	day of	Janu	ary	_ , 20_	06.
	3		<del></del>	· 1	L.S.	
MAN ZHU						

ACKNOW	EDGEMENT
MONINOVAL	CUUCIVICIVI

State of

) s.s.: County of

On this day of d own free will for the purpose set forth.

(Seal)

Oynthea Gamble Notary Public, State of New Jersey No. 2189978 My Commission Expires June 26, 2006

**PATENT REEL: 023376 FRAME: 0310** 

**RECORDED: 10/15/2009**