

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
James McSwiggen	07/01/2003
Bharat Chowrira	06/12/2003
Dennis Macejak	07/30/2003
Shawn Zinnen	06/19/2003
Pamela Pavco	06/12/2003
Peter Haeberli	06/17/2003
David Morrissey	06/05/2003
Kathy Fosnaugh	06/06/2003
Sharon Jamison	06/10/2003
Nassim Usman	06/20/2003
James Thompson	08/20/2003
Chandra Vargeese	06/09/2003
Weimin Wang	06/10/2003
Tongqian Chen	06/17/2003
Narendra Vaish	06/05/2003
Leonid Beigelman	09/12/2003

RECEIVING PARTY DATA

Name:	Sima Therapeutics, Inc.
Street Address:	1700 Owens Street
Internal Address:	4th Floor
City:	San Francisco
State/Country:	CALIFORNIA
Postal Code:	94158

PROPERTY NUMBERS Total: 12

Property Type	Number
Application Number:	11499520

PATENT

500571794

REEL: 021123 FRAME: 0488

CH \$480.00 11499520

Application Number:	11499529
Application Number:	11499533
Application Number:	11499828
Application Number:	11499521
Application Number:	11499633
Application Number:	11502875
Application Number:	11502876
Application Number:	11502893
Application Number:	11502885
Application Number:	11676124
Application Number:	12105010

CORRESPONDENCE DATA

Fax Number: (312)913-0002
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 312-913-0001
 Email: furiasse@mbhb.com
 Correspondent Name: McDonnell Boehnen Hulbert & Berghoff LLP
 Address Line 1: 300 South Wacker Drive
 Address Line 4: Chicago, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	03-465-8
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NAME OF SUBMITTER:	Michael S. Greenfield
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Total Attachments: 17

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ASSIGNMENT

Case No.: MBHB03-465; 400/114
Inventors: James McSwiggen et al.

Serial No.: 10/444,853
Filing Date: May 23, 2003

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

SIRNA THERAPEUTICS, INC.,
a corporation organized and existing under and by virtue of the
laws of the State of Delaware and
having its place of business at 2950 Wilderness Place, Boulder, Colorado 80301

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

**RNA INTERFERENCE MEDIATED INHIBITION OF GENE EXPRESSION
USING CHEMICALLY MODIFIED SHORT INTERFERING NUCLEIC ACID (siNA)**

and identified as:

Case No. MBHB03-465 (400/114)

in the offices of MCDONNELL BOEHNNEN HULBERT & BERGHOFF and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.


The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said

invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal this 1st day of July, 2003.


JAMES McSWIGGEN

State of Colorado
County of Boulder

The foregoing instrument was acknowledged before me this 1 day of July, 2003, by JAMES McSWIGGEN.


NOTARY PUBLIC

My commission expires 6/12/2015

WITNESS my hand and seal this 12 day of JUNE, 2003.

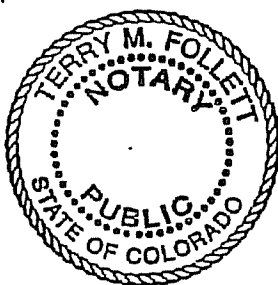


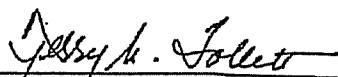
BHARAT CHOWRIRA

State of COLORADO

County of BOULDER

The foregoing instrument was acknowledged before me this 12TH day of June, 2003, by
BHARAT CHOWRIRA.





NOTARY PUBLIC

My Commission Expires
02/05/2006

WITNESS my hand and seal this 12TH day of SEPT., 2003.

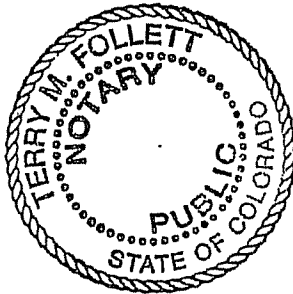
Leonid Beigelman

LEONID BEIGELMAN

State of COLORADO

County of BOULDER

The foregoing instrument was acknowledged before me this 12TH day of September, 2003, by LEONID BEIGELMAN.



Terry M. Follett
NOTARY PUBLIC

My Commission Expires
02/05/2006

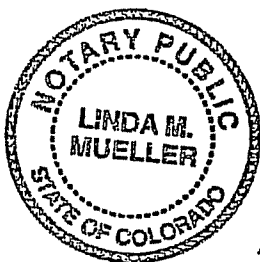
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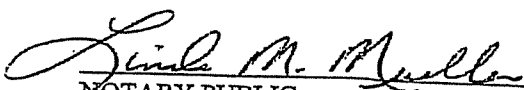

DENNIS MACEJAK

State of Colorado

County of Jefferson

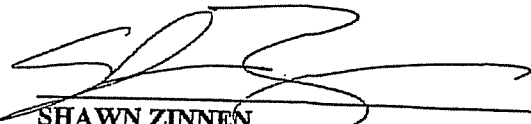
The foregoing instrument was acknowledged before me this 30 day of July, 2003, by DENNIS MACEJAK.




NOTARY PUBLIC

My Commission Expires Dec. 30, 2004

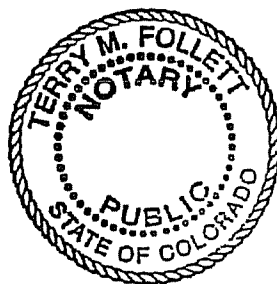
WITNESS my hand and seal this 19 day of JUNE, 2003.

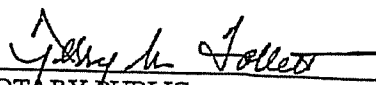

SHAWN ZINNEN

State of

County of

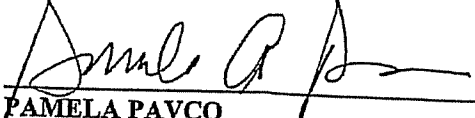
The foregoing instrument was acknowledged before me this 19th day of JUNE, 2003, by SHAWN ZINNEN.




NOTARY PUBLIC

My Commission Expires
02/05/2006

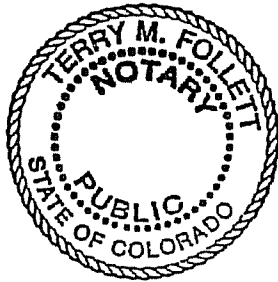
WITNESS my hand and seal this 12th day of June, 2003.

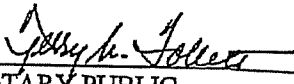

PAMELA PAVCO

State of COLORADO

County of BOULDER

The foregoing instrument was acknowledged before me this 12th day of June, 2003, by
PAMELA PAVCO.




NOTARY PUBLIC

My Commission Expires
02/05/2006

WITNESS my hand and seal this 17th day of June, 2003.

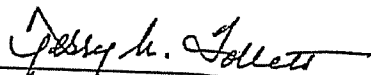
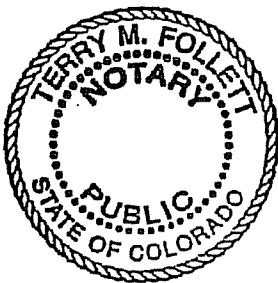


PETER HAEBERLI

State of COLORADO

County of BOULDER

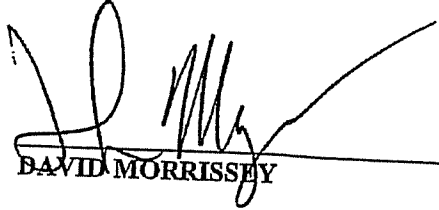
The foregoing instrument was acknowledged before me this 17th day of JUNE, 2003, by **PETER HAEBERLI**.



NOTARY PUBLIC

My Commission Expires
02/05/2006

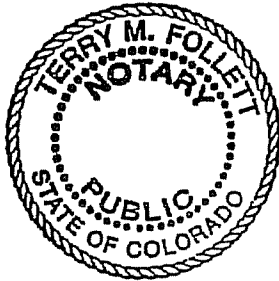
WITNESS my hand and seal this 5 day of June, 2003.

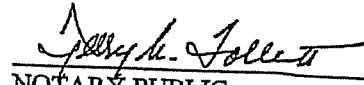

DAVID MORRISSEY

State of COLORADO

County of BOULDER

The foregoing instrument was acknowledged before me this 5th day of June, 2003, by DAVID MORRISSEY.




NOTARY PUBLIC

My Commission Expires
02/05/2006

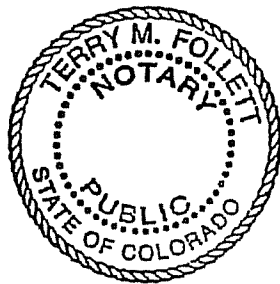
WITNESS my hand and seal this 6 day of June, 2003.


KATHY FOSNAUGH

State of COLORADO

County of BOULDER

The foregoing instrument was acknowledged before me this 6th day of June, 2003, by KATHY FOSNAUGH.




NOTARY PUBLIC

My Commission Expires
02/05/2006

- 10 -

McDONNELL BOEHLEN
HILBERT & BERGHOF
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

PATENT
REEL: 021123 FRAME: 0499

WITNESS my hand and seal this 10 day of June, 2003.

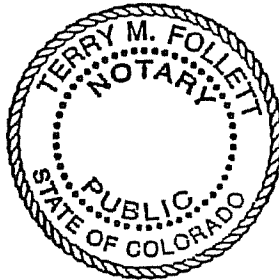


SHARON JAMISON

State of COLORADO

County of BOULDER

The foregoing instrument was acknowledged before me this 10th day of June, 2003, by
SHARON JAMISON.

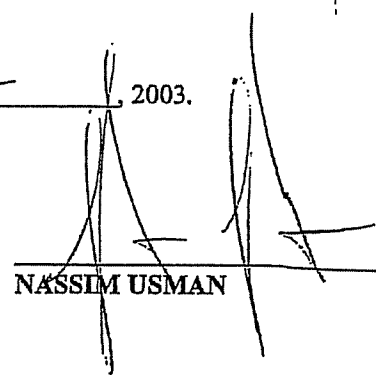




NOTARY PUBLIC

My Commission Expires
02/05/2006

WITNESS my hand and seal this 20TH day of JUNE, 2003.

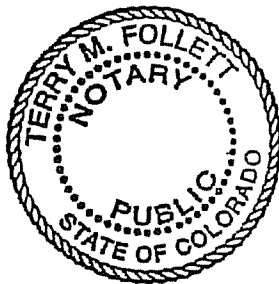


NASSIM USMAN

State of COLORADO

County of BOULDER

The foregoing instrument was acknowledged before me this 20TH day of JUNE, 2003, by NASSIM USMAN.





NOTARY PUBLIC

My Commission Expires
02/05/2006


WITNESS my hand and seal this 20 day of AUG, 2003.


JAMES THOMPSON

State of Colorado

County of Boulder

The foregoing instrument was acknowledged before me this 20 day of August, 2003, by JAMES THOMPSON.


NOTARY PUBLIC

My commission expires 6/12/2005

WITNESS my hand and seal this 09 day of June, 2003.

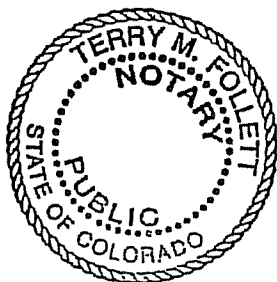
V. Chandra Vargeese

CHANDRA VARGESE

State of COLORADO

County of BOULDER

The foregoing instrument was acknowledged before me this 9th day of June, 2003, by
CHANDRA VARGESE.



Terry M. Follett

NOTARY PUBLIC

My Commission Expires
02/05/2006

WITNESS my hand and seal this 10 day of June, 2003.

Wang Weimin
WEIMEN WANG
i
ww

State of COLORADO

County of BOULDER

The foregoing instrument was acknowledged before me this 10th day of June, 2003, by
WEIMEN WANG.



Terry M. Follett
NOTARY PUBLIC

My Commission Expires
02/05/2006

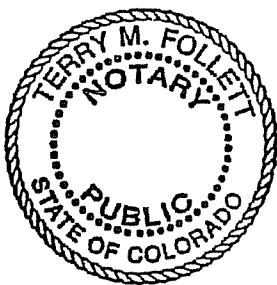
WITNESS my hand and seal this 17 day of June, 2003.

Tongqian Chen
TONGQIAN CHEN

State of COLORADO

County of BOULDER

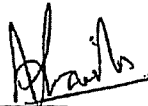
The foregoing instrument was acknowledged before me this 17th day of JUNE, 2003, by
TONGQIAN CHEN.



Terry M. Follett
NOTARY PUBLIC

My Commission Expires
02/05/2006

WITNESS my hand and seal this 5th day of June, 2003.

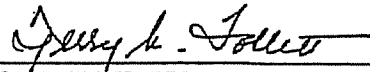


NARENDRA VAISH

State of COLORADO

County of BOULDER

The foregoing instrument was acknowledged before me this 5th day of June, 2003, by
NARENDRA VAISH.



NOTARY PUBLIC

My Commission Expires
02/05/2006