

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Gregory TIMP	06/03/2011
Utkur MIRSAIDOV	05/05/2011
Aleksei AKSIMENTIEV	02/03/2011
Jeffrey COMER	01/25/2011
RECEIVING PARTY DATA	
Name:	The Board of Trustees of the University of Illinois
Street Address:	352 Henry Administration Building
Internal Address:	506 South Wright Street
City:	Urbana
State/Country:	ILLINOIS
Postal Code:	61801
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12971240
CORRESPONDENCE DATA	
Fax Number:	(303)499-8089
Phone:	3034998080
Email:	rfriedland@greenleesullivan.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Ronald Friedland
Address Line 1:	4875 Pearl East Circle, Suite 200
Address Line 4:	Boulder, COLORADO 80301
ATTORNEY DOCKET NUMBER:	56-09
NAME OF SUBMITTER:	GARY B. CHAPMAN

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PATENT
REEL: 027044 FRAME: 0515

Total Attachments: 12

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ASSIGNMENT

WHEREAS, WE:

1. Gregory TIMP, residing at 316 Stinson Remick Lab, University of Notre Dame, South Bend, Indiana, 46556, United States of America;
2. Utkur MIRSAIDOV, residing at 3041 Beckman Institute, 405 N. Mathews, Urbana, Illinois, 61801, United States of America;
3. Aleksei AKSIMIENTIEV, residing at 3041 Beckman Institute, 405 N. Mathews, Urbana, Illinois, 61801, United States of America;
4. Jeffrey COMER, residing at 3041 Beckman Institute, 405 N. Mathews, Urbana, Illinois, 61801, United States of America;

(herein called "ASSIGNORS"), are inventors of the invention entitled:

"Characterizing Stretched Polynucleotides in a Synthetic Nanopassage";

for which the following patent application(s):

Application Type	Application Serial No.	Filing Date
U.S. Provisional Patent Application	61/287,974	December 18, 2009
United States Patent Application	12/971,240	December 17, 2010

were submitted or filed (collectively, the "LISTED APPLICATIONS");

AND WHEREAS, THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS (herein called "ASSIGNEE"), an entity organized and existing under the laws of the State of Illinois, having a principal place of business at:

352 Henry Administration Building
506 South Wright Street
Urbana, Illinois 61801,

is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application(s);

NOW, THEREFORE, in consideration of my contractual and other legal obligations, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, a said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States Application and all divisions, renewals, continuations and subsequent applications thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models,

Assignment

and designs which may hereafter be filed for said invention in any country or countries foreign to the United States; together with the right to file such applications and the right to claim for the same the priority of said patent applications listed herein and applications thereof and therefrom under The International Union for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application and applications thereof and therefrom is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

AND I HEREBY authorize the above-mentioned ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application(s) or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document;

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all continuing and subsequent applications, including divisional, reissue and foreign applications, make all rightful oaths, and generally cooperate and do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain, maintain, and enforce proper protection for said invention in any and all countries;

IN TESTIMONY WHEREOF, I hereunto set my hand and seal (if applicable) the day and year set opposite my signature.

GWS Ref. 58-09
Assignment

06-03-2011
Date

GREGORY JIMP
GREGORY JIMP

STATE OF Indiana)
) ss.
COUNTY OF ST Joseph)

BEFORE ME, the undersigned authority, on this 3rd day of June (month),
2011 (year), personally appeared the above person, known to me to be the person
whose name is subscribed to this instrument and who acknowledged to me that s/he
executed the same of his/her own free will for the purposes and consideration herein
expressed.

Date: June 3, 2011 Barbara E. Klowetter
Notary Public

My Commission expires: 8-27-2015

Date UTKUR MIRSAIDOV

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____ (month),
____ (year), personally appeared the above person, known to me to be the person
whose name is subscribed to this instrument and who acknowledged to me that s/he
executed the same of his/her own free will for the purposes and consideration herein
expressed.

Date: _____
Notary Public

My Commission expires: _____

Additional Assignors on additional sheets: Yes

Date _____ ALEKSEI AKSIMIENTIEV

STATE OF _____ }
COUNTY OF _____ } ss.

BEFORE ME, the undersigned authority, on this _____ day of _____ (month),
_____ (year), personally appeared the above person, known to me to be the person
whose name is subscribed to this instrument and who acknowledged to me that s/he
executed the same of his/her own free will for the purposes and consideration herein
expressed.

Date: _____
Notary Public

My Commission expires: _____

Date _____ JEFFREY COMER

STATE OF _____ }
COUNTY OF _____ } ss.

BEFORE ME, the undersigned authority, on this _____ day of _____ (month),
_____ (year), personally appeared the above person, known to me to be the person
whose name is subscribed to this instrument and who acknowledged to me that s/he
executed the same of his/her own free will for the purposes and consideration herein
expressed.

Date: _____
Notary Public

My Commission expires: _____

Additional Assignors on additional sheets: No

ASSIGNMENT

WHEREAS, WE:

1. Gregory TIMP, residing at 316 Stinson Remick Lab, University of Notre Dame, South Bend, Indiana, 46556, United States of America;
2. Utkur MIRSAIDOV, residing at 3041 Beckman Institute, 405 N. Mathews, Urbana, Illinois, 61801, United States of America;
3. Aleksei AKSIMIENTIEV, residing at 3041 Beckman Institute, 405 N. Mathews, Urbana, Illinois, 61801, United States of America;
4. Jeffrey COMER, residing at 3041 Beckman Institute, 405 N. Mathews, Urbana, Illinois, 61801, United States of America;

(herein called "ASSIGNORS"), are inventors of the invention entitled:

"Characterizing Stretched Polynucleotides in a Synthetic Nanopassage";

for which the following patent application(s):

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U.S. Provisional Patent Application	61/287,974	December 18, 2009
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were submitted or filed (collectively, the "LISTED APPLICATIONS");

AND WHEREAS, THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS (herein called "ASSIGNEE"), an entity organized and existing under the laws of the State of Illinois, having a principal place of business at:

352 Henry Administration Building
506 South Wright Street
Urbana, Illinois 61801,

is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application(s);

NOW, THEREFORE, in consideration of my contractual and other legal obligations, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, a said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States Application and all divisions, renewals, continuations and subsequent applications thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models,

and designs which may hereafter be filed for said invention in any country or countries foreign to the United States; together with the right to file such applications and the right to claim for the same the priority of said patent applications listed herein and applications thereof and therefrom under The International Union for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application and applications thereof and therefrom is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

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AND I HEREBY authorize the above-mentioned ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application(s) or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document;

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal (if applicable) the day and year set opposite my signature.

GWS Ref. 56-09
Assignment

Date _____ GREGORY TIMP _____

STATE OF _____)
COUNTY OF _____) ss.

BEFORE ME, the undersigned authority, on this _____ day of _____ (month), _____ (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: _____ Notary Public

My Commission expires: _____

5 May 2011
Date _____ UTKUR MIRSAIDOV _____

STATE OF _____)
COUNTY OF _____) ss.

BEFORE ME, the undersigned authority, on this 5 day of May (month), 2011 (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: _____ Victor Horodinen _____
~~Notary Public~~

My Commission expires: _____

Molecular Sciences
Biological Sciences
University of Singapore
11 Science Drive 4
Singapore 117543

Additional Assignors on additional sheets: Yes

Date ALEKSEI AKSIMIENTEV

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this _____ day of _____ (month), _____ (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: _____
My Commission expires: _____

Notary Public

Date JEFFREY COMER

STATE OF _____)
COUNTY OF _____) ss.

BEFORE ME, the undersigned authority, on this _____ day of _____ (month), _____ (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: _____
My Commission expires: _____

Notary Public

Additional Assignors on additional sheets: No

ASSIGNMENT

WHEREAS, WE:

1. **Gregory TIMP**, residing at 316 Stinson Remick Lab, University of Notre Dame, South Bend, Indiana, 46556, United States of America;
2. **Utkur MIRSAIDOV**, residing at 3041 Beckman Institute, 405 N. Mathews, Urbana, Illinois, 61801, United States of America;
3. **Aleksei AKSIMIENTIEV**, residing at 3041 Beckman Institute, 405 N. Mathews, Urbana, Illinois, 61801, United States of America;
4. **Jeffrey COMER**, residing at 3041 Beckman Institute, 405 N. Mathews, Urbana, Illinois, 61801, United States of America;

(herein called "ASSIGNORS"), are inventors of the invention entitled:

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for which the following patent application(s):

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AND WHEREAS, THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS (herein called "ASSIGNEE"), an entity organized and existing under the laws of the State of Illinois, having a principal place of business at:

352 Henry Administration Building
506 South Wright Street
Urbana, Illinois 61801,

is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application(s);

NOW, THEREFORE, in consideration of my contractual and other legal obligations, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, a said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States Application and all divisions, renewals, continuations and subsequent applications thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models,

Assignment

and designs which may hereafter be filed for said invention in any country or countries foreign to the United States; together with the right to file such applications and the right to claim for the same the priority of said patent applications listed herein and applications thereof and therefrom under The International Union for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application and applications thereof and therefrom is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

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AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal (if applicable) the day and year set opposite my signature.

Q

GREGORY TIMP

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this _____ day of _____ (month), _____ (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: _____

Notary Public

My Commission expires: _____

Date _____

UTKUR MIRSAIDOV

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____ (month), _____ (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: _____

Notary Public

My Commission expires: _____

Additional Assignors on additional sheets: Yes

3 Feb 2011
Date

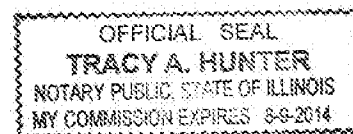
ALEKSEI AKSIMIENTIEV
AKSIMIENTIEV

STATE OF Illinois)
COUNTY OF Champaign) ss.

BEFORE ME, the undersigned authority, on this 3rd day of February (month), 2011 (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: February 3, 2011 Tracy A Hunter
Notary Public

My Commission expires: August 9, 2014



25 Jan 2011
Date

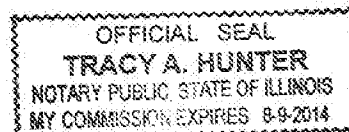
Jeffrey R Comer
JEFFREY COMER

STATE OF Illinois)
COUNTY OF Champaign) ss.

BEFORE ME, the undersigned authority, on this 25th day of January (month), 2011 (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: January 25, 2011 Tracy A Hunter
Notary Public

My Commission expires: August 9, 2014



Additional Assignors on additional sheets: No