

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jennifer R. Grandis</td> <td>07/03/2012</td> </tr> <tr> <td>Daniel Johnson</td> <td>07/13/2012</td> </tr> <tr> <td>Danith Ly</td> <td>07/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jennifer R. Grandis	07/03/2012	Daniel Johnson	07/13/2012	Danith Ly	07/13/2012
Name	Execution Date								
Jennifer R. Grandis	07/03/2012								
Daniel Johnson	07/13/2012								
Danith Ly	07/13/2012								
RECEIVING PARTY DATA									
Name:	University of Pittsburgh - of the Commonwealth System of Higher Education								
Street Address:	200 Gardner Steel Conference Center								
Internal Address:	Thackeray & O'Hara Streets								
City:	Pittsburgh								
State/Country:	PENNSYLVANIA								
Postal Code:	15260								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13491343</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13491343				
Property Type	Number								
Application Number:	13491343								
CORRESPONDENCE DATA									
Fax Number:	2122592482								
Phone:	212 408 2500								
Email:	nydocket@bakerbotts.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:	Baker Botts LLP								
Address Line 1:	30 Rockefeller Plaza								
Address Line 2:	44th Floor								
Address Line 4:	New York, NEW YORK 10112-4498								
ATTORNEY DOCKET NUMBER:	072396.0490								
NAME OF SUBMITTER:	Lillian Garcia								

CH \$40.00 13491343

Total Attachments: 12

source=072396_0490_Assignment#page1.tif
source=072396_0490_Assignment#page2.tif
source=072396_0490_Assignment#page3.tif
source=072396_0490_Assignment#page4.tif
source=072396_0490_Assignment#page5.tif
source=072396_0490_Assignment#page6.tif
source=072396_0490_Assignment#page7.tif
source=072396_0490_Assignment#page8.tif
source=072396_0490_Assignment#page9.tif
source=072396_0490_Assignment#page10.tif
source=072396_0490_Assignment#page11.tif
source=072396_0490_Assignment#page12.tif

WORLDWIDE ASSIGNMENT

WHEREAS,

Jennifer R. Grandis, a citizen of the United States, and whose post office address is 95 Woodland Road, Pittsburgh, PA 15232; **Daniel Johnson**, a citizen of the United States, and whose post office address is 1415 Middle Road, Glenshaw, PA 15116; and **Danith Ly**, a citizen of the United States, and whose post office address is 1412 Bower Hill Road, Pittsburgh Hill Road, Pittsburgh, PA 15243, (hereinafter referred to as "ASSIGNORS"), invented a new invention as disclosed in a patent application entitled "STABILIZED STAT3 DECOY OLIGONUCLEOTIDES AND USES THEREFOR," identified by Attorney Docket No. 072396.0490, which

- is being filed concurrently with the recordation of this Assignment.
- the Provisional Application was filed on December 17, 2010 as Application No. 61/287,341.
- the Provisional Application was filed on April 15, 2010 as Application No. 61/324,649.
- was filed on June 7, 2012, as a U.S. Application No. 13/491,343.
- the PCT Application was filed on April 15, 2010 as Application No. PCT/US2010/061065.

WHEREAS, **UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION**, a corporation organized and existing under the laws of the United States, having its principal place of business at **200 Gardner Steel Conference Center, Thackeray & O'Hara Streets, Pittsburgh, Pennsylvania 15260** (hereinafter referred to as "ASSIGNEE"), is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention and said United States provisional application or said application for United States Letters Patent, as the case may be, and said invention in all applications claiming priority thereto or converted therefrom, and all divisions, renewals, continuations and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues, reexaminations 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 other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said applications above under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application 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;

ASSIGNORS 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 ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

ASSIGNORS hereby covenant and agree that ASSIGNORS have full right to convey the entire right, title and interest herein assigned, that such right, title and interest is unencumbered, and that ASSIGNORS have not executed, and will not execute, any agreement in conflict herewith;

ASSIGNORS further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, legal representatives and assigns;

ASSIGNORS further covenant and agree that ASSIGNORS will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, reexamination, foreign applications or other such Letters Patent, make all rightful oaths, and generally do everything possible to aid ASSIGNEE or, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries;

ASSIGNORS hereby authorize ASSIGNEE's patent attorney to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 3rd day of July, 2012.

J.R.G.
Jennifer R. Grandis

Witness: Margaret M. Phillips [signature]
Margaret M. Phillips [name]

Witness: Charmaine D. Wallace [signature]
Charmaine D. Wallace [name]

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2012.

Daniel Johnson

Witness: _____ [signature]
_____ [name]

Witness: _____ [signature]
_____ [name]

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of
_____, 2012.

Danith Ly

Witness: _____ [signature]
_____ [name]

Witness: _____ [signature]
_____ [name]

WORLDWIDE ASSIGNMENT

WHEREAS,

Jennifer R. Grandis, a citizen of the United States, and whose post office address is 95 Woodland Road, Pittsburgh, PA 15232; **Daniel Johnson**, a citizen of the United States, and whose post office address is 1415 Middle Road, Glenshaw, PA 15116; and **Danith Ly**, a citizen of the United States, and whose post office address is 1412 Bower Hill Road, Pittsburgh Hill Road, Pittsburgh, PA 15243, (hereinafter referred to as "ASSIGNORS"), invented a new invention as disclosed in a patent application entitled "**STABILIZED STAT3 DECOY OLIGONUCLEOTIDES AND USES THEREFOR**," identified by Attorney Docket No. 072396.0490, which

- is being filed concurrently with the recordation of this Assignment.
- the Provisional Application was filed on December 17, 2010 as Application No. 61/287,341.
- the Provisional Application was filed on April 15, 2010 as Application No. 61/324,649.
- was filed on June 7, 2012, as a U.S. Application No. 13/491,343.
- the PCT Application was filed on April 15, 2010 as Application No. PCT/US2010/061065.

WHEREAS, **UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION**, a corporation organized and existing under the laws of the United States, having its principal place of business at **200 Gardner Steel Conference Center, Thackeray & O'Hara Streets, Pittsburgh, Pennsylvania 15260** (hereinafter referred to as "ASSIGNEE"), is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention and said United States provisional application or said application for United States Letters Patent, as the case may be, and said invention in all applications claiming priority thereto or converted therefrom, and all divisions, renewals, continuations and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues, reexaminations 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 other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said applications above under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application 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;

ASSIGNORS 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 ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

ASSIGNORS hereby covenant and agree that ASSIGNORS have full right to convey the entire right, title and interest herein assigned, that such right, title and interest is unencumbered, and that ASSIGNORS have not executed, and will not execute, any agreement in conflict herewith;

ASSIGNORS further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, legal representatives and assigns;

ASSIGNORS further covenant and agree that ASSIGNORS will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, reexamination, foreign applications or other such Letters Patent, make all rightful oaths, and generally do everything possible to aid ASSIGNEE or, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries;

ASSIGNORS hereby authorize ASSIGNEE's patent attorney to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2012.

Jennifer R. Grandis

Witness: _____ [signature]
_____ [name]

Witness: _____ [signature]
_____ [name]

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 13 day of July, 2012.

Daniel Johnson
Daniel Johnson

Witness: M. Linda Gangewere [signature]
M. LINDA GANGEWERE [name]

Witness: [Signature] [signature]
RICHARD STEINMAN [name]

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2012.

Danith Ly

Witness: _____ [signature]
_____ [name]

Witness: _____ [signature]
_____ [name]

Atty. Docket No. 072396.0490

WORLDWIDE ASSIGNMENT

WHEREAS,

Jennifer R. Grandis, a citizen of the United States, and whose post office address is 95 Woodland Road, Pittsburgh, PA 15232; **Daniel Johnson**, a citizen of the United States, and whose post office address is 1415 Middle Road, Glenshaw, PA 15116; and **Danith Ly**, a citizen of the United States, and whose post office address is 1412 Bower Hill Road, Pittsburgh Hill Road, Pittsburgh, PA 15243, (hereinafter referred to as "ASSIGNORS"), invented a new invention as disclosed in a patent application entitled "**STABILIZED STAT3 DECOY OLIGONUCLEOTIDES AND USES THEREFOR**," identified by Attorney Docket No. 072396.0490, which

- is being filed concurrently with the recordation of this Assignment.
- the Provisional Application was filed on December 17, 2010 as Application No. 61/287,341.
- the Provisional Application was filed on April 15, 2010 as Application No. 61/324,649.
- was filed on June 7, 2012, as a U.S. Application No. 13/491,343.
- the PCT Application was filed on April 15, 2010 as Application No. PCT/US2010/061065.

WHEREAS, **UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION**, a corporation organized and existing under the laws of the United States, having its principal place of business at **200 Gardner Steel Conference Center, Thackeray & O'Hara Streets, Pittsburgh, Pennsylvania 15260** (hereinafter referred to as "ASSIGNEE"), is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention and said United States provisional application or said application for United States Letters Patent, as the case may be, and said invention in all applications claiming priority thereto or converted therefrom, and all divisions, renewals, continuations and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues, reexaminations and extensions thereof, and all applications for industrial property protection,

Atty. Docket No. 072396.0490

including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said applications above under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application 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;

ASSIGNORS 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 ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

ASSIGNORS hereby covenant and agree that ASSIGNORS have full right to convey the entire right, title and interest herein assigned, that such right, title and interest is unencumbered, and that ASSIGNORS have not executed, and will not execute, any agreement in conflict herewith;

ASSIGNORS further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, legal representatives and assigns;

ASSIGNORS further covenant and agree that ASSIGNORS will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, reexamination, foreign applications or other such Letters Patent, make all rightful oaths, and generally do everything possible to aid ASSIGNEE or, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries;

Atty. Docket No. 072396.0490

ASSIGNORS hereby authorize ASSIGNEE's patent attorney to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2012.

Jennifer R. Grandis

Witness: _____ [signature]
_____ [name]

Witness: _____ [signature]
_____ [name]

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2012.

Daniel Johnson

Witness: _____ [signature]
_____ [name]

Witness: _____ [signature]
_____ [name]

Atty. Docket No. 072396.0490

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 13 day of July, 2012.

Danith Ly
Danith Ly

Witness: *Mary Ly* [signature]
Mary Ly [name]

Witness: *Arunava Manna* [signature]
Arunava Manna [name]