

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Charles RICHARDSON</td> <td>02/28/2011</td> </tr> <tr> <td>Robert F. BARGATZE</td> <td>02/28/2011</td> </tr> <tr> <td>Joel HAYNES</td> <td>02/28/2011</td> </tr> <tr> <td>Bryan STEADMAN</td> <td>02/28/2011</td> </tr> </tbody> </table>		Name	Execution Date	Charles RICHARDSON	02/28/2011	Robert F. BARGATZE	02/28/2011	Joel HAYNES	02/28/2011	Bryan STEADMAN	02/28/2011
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PROPERTY NUMBERS Total: 2											
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CORRESPONDENCE DATA											
<p>Fax Number: (202)842-7899</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: apurcell@cooley.com</p> <p>Correspondent Name: Angela L. Purcell</p> <p>Address Line 1: 777 6th Street, N.W.</p> <p>Address Line 2: Suite 1100</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20001</p>											
ATTORNEY DOCKET NUMBER:	LIGO-022										
NAME OF SUBMITTER:	Angela L. Purcell										

CH \$80.00 US0953249

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PATENT
REEL: 025931 FRAME: 0792

Total Attachments: 7

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PATENT

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ASSIGNMENT

Charles RICHARDSON of Bozeman, MT, **Robert F. BARGATZE** of Bozeman, MT, **Joel HAYNES** of Bozeman, MT, and **Bryan STEADMAN** of Bozeman, MT (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States and under the Patent Cooperation Treaty as listed in the attached Schedule A (collectively "Patents").

WHEREAS, LIGOCYTE PHARMACEUTICALS, INC., 2155 Analysis Drive, Bozeman, MT 59718-6831 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention; the application for patent identified in Schedule A; the right to file applications for patent of the United States or other countries on the Invention; any application for patent of the United States or other countries claiming priority to these application; any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in Schedule A;
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in Schedule A or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and
- (f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignor, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

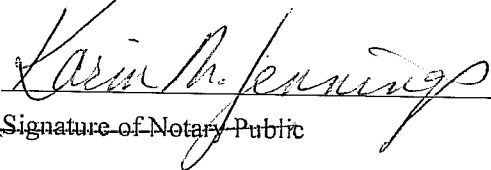
Date: Feb 28, 2011

By: 
Charles RICHARDSON

State of Montana)
County of Gallatin) ss.

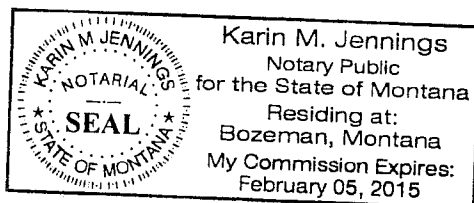
On 28 February 2011, before me, Karin M. Jennings, Notary Public, personally appeared Charles Richardson, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.


Signature of Notary Public

Place Notary Seal Above

My Commission Expires: _____



Date: 2/28/11By: Robert F. BARGATZE
Robert F. BARGATZE

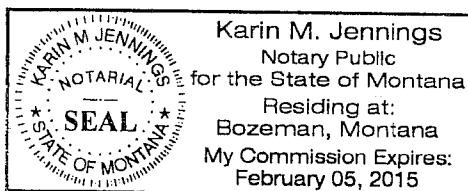
State of Montana)
County of Gallatin) ss.
On 28 February 2011, before me, Karin M. Jennings, Notary Public, personally appeared Robert F. BARGATZE, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Karin M. Jennings
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: _____



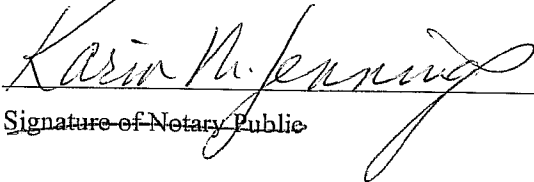
Date: Feb 28, 2011By: 

Joel HAYNES

State of Montana)
County of Gallatin) ss.

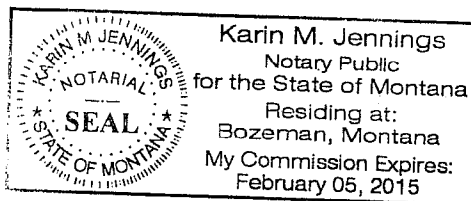
On 28 February 2011, before me, Karin M. Jennings, Notary Public, personally appeared Joel Haynes, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.


Signature of Notary Public

Place Notary Seal Above

My Commission Expires: _____



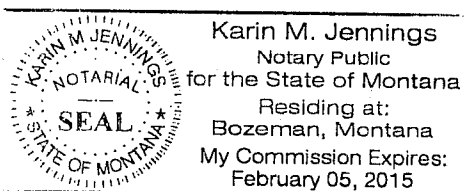
Date: 28 Feb 11By: Bryan Steadman

Bryan STEADMAN

State of Montana)
County of Gallatin) ss.
On 28 February 2011, before me, Karin M. Jennings, Notary Public, personally appeared Bryan Steadman, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Karin M. Jennings
Signature of Notary Public

~~Place Notary Seal Above.~~~~My Commission Expires:~~ _____

SCHEDULE A

Docket Number	Country	Serial Number	Title	Filing Date
LIGO-022/01WO 306927-2016	PCT	PCT/US2009/053249	VIRUS-LIKE PARTICLES COMPRISING COMPOSITE CAPSID AMINO ACID SEQUENCES FOR ENHANCED CROSS REACTIVITY	08/10/2009
LIGO-022/02US 306927-2135	US	13/023,363	VIRUS-LIKE PARTICLES COMPRISING COMPOSITE CAPSID AMINO ACID SEQUENCES FOR ENHANCED CROSS REACTIVITY	02/08/2011