

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5519641

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	CHANGE OF NAME
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LIGOCYTE PHARMACEUTICALS, INC.	03/04/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TAKEDA VACCINES (MONTANA), INC.
<b>Street Address:</b>	2155 ANALYSIS DRIVE
<b>City:</b>	BOZEMAN
<b>State/Country:</b>	MONTANA
<b>Postal Code:</b>	59718-6831
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16213297
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)842-7899
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	2028427800
<b>Email:</b>	zIPPatentDocketingMailboxUS@cooley.com
<b>Correspondent Name:</b>	COOLEY LLP / PATENT DEPARTMENT
<b>Address Line 1:</b>	1299 PENNSYLVANIA AVENUE, NW, SUITE 700
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004
<b>ATTORNEY DOCKET NUMBER:</b>	LIGO-016/04US 306927-2416
<b>NAME OF SUBMITTER:</b>	SHIRLEY H. TAN
<b>SIGNATURE:</b>	/Shirley Tan/
<b>DATE SIGNED:</b>	05/13/2019
<b>Total Attachments: 4</b>	
source=LIGO-016_04US Assignment - parent - executed - change of name (Ligocyte to Takeda Vaccines (Montana)#page1.tif	
source=LIGO-016_04US Assignment - parent - executed - change of name (Ligocyte to Takeda Vaccines (Montana)#page2.tif	
source=LIGO-016_04US Assignment - parent - executed - change of name (Ligocyte to Takeda Vaccines (Montana)#page3.tif	
source=LIGO-016_04US Assignment - parent - executed - change of name (Ligocyte to Takeda Vaccines	



# Delaware

PAGE 1

*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "LIGOCYTE PHARMACEUTICALS, INC.", CHANGING ITS NAME FROM "LIGOCYTE PHARMACEUTICALS, INC." TO "TAKEDA VACCINES (MONTANA), INC.", FILED IN THIS OFFICE ON THE FIRST DAY OF MARCH, A.D. 2013, AT 6:47 O'CLOCK P.M.

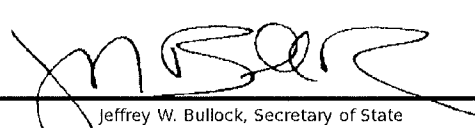
A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

4500744 8100

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You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 0254095

DATE: 03-04-13

PATENT  
REEL: 049158 FRAME: 0937

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 06:52 PM 03/01/2013  
FILED 06:47 PM 03/01/2013  
SRV 130267797 - 4500744 FILE

**CERTIFICATE OF AMENDMENT  
TO THE  
AMENDED AND RESTATED CERTIFICATE OF INCORPORATION  
OF  
LIGOCYTE PHARMACEUTICALS, INC.**

LigoCyte Pharmaceuticals, Inc. (the "Corporation"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY THAT:

FIRST: The Board of Directors of the Corporation, by unanimous written consent pursuant to Section 141(f) of the General Corporation Law of the State of Delaware, a copy of which has been filed with the minutes of the Corporation, adopted resolutions proposing the following amendment to the Amended and Restated Certificate of Incorporation of the Corporation:

RESOLVED, that the Board of Directors of the Corporation hereby declares it advisable that Article First of the Amended and Restated Certificate of Incorporation of the Corporation be amended to read in its entirety as follows:

"ARTICLE I

The name of the corporation (which is hereinafter referred to as the "Corporation") is Takeda Vaccines (Montana), Inc."


and that the same be and is hereby approved, adopted and ratified.

SECOND: The sole stockholder of the Corporation, by written consent given pursuant to Section 228 of the General Corporation Law of the State of Delaware, a copy of which has been filed with the minutes of the Corporation, adopted the foregoing amendment to the Amended and Restated Certificate of Incorporation of the Corporation.

THIRD: The foregoing amendment has been duly adopted in accordance with the applicable provisions of Section 242 of the General Corporation Law of the State of Delaware.

In Witness Whereof, said Corporation has caused this Certificate to be signed by an authorized officer this 25th day of February, 2013.

LIGOCYTE PHARMACEUTICALS, INC.

By:   
Name: Rajeev Venkayya  
Title: President

## Schedule A

<b>Attorney/Docket No.</b>	<b>Application No.</b>	<b>Application Filing Date</b>	<b>Registration No.</b>	<b>Registration Date</b>	<b>Reel/Frame</b>
LIGO-002/00US 306927-2033	08/483,558	06/07/1995	5,578,309	11/26/1996	013467/0060
LIGO-003/02US 306927-2030	09/733,066	12/11/2000	6,630,146	10/07/2003	013467/0060
LIGO-003/03US 306927-2031	09/351,630	07/12/1999	6,488,929	12/03/2002	013467/0060
LIGO-005/00US 306927-2036	09/076,883	05/13/1998	6,309,642	10/30/2001	013467/0060
LIGO-005/01US 306927-2037	09/334,922	06/17/1999	6,403,090	06/11/2002	013467/0060
LIGO-005/02US 306927-2038	09/334,921	06/17/1999	6,391,587	05/21/2002	013467/0060
LIGO-008/01US 306927-2002	08/463,707	06/05/1995	5,756,095	05/26/1998	013467/0060
LIGO-009/02US 306927-2062	10/589,290	02/11/2005	8,409,590	04/02/2013	018190/0066
LIGO-016/01US 306927-2112	12/531,248	03/14/2008	N/A	N/A	025788/0570
LIGO-017/02US 306927-2095	12/093,921	09/28/2007	7,955,603	06/07/2011	020970-0729

LIGO-017/04US 306927-2143	13/330,854	12/20/2011	N/A	N/A	028861/0161
LIGO-019/01US 306927-2088	11/058,030	02/14/2005	7,481,997	01/27/2009	016757/0043
LIGO-021/02US 306927-2120	12/678,813	09/18/2008	N/A	N/A	028883/0747
LIGO-021/03US 306927-2123	12/765,641	04/22/2010	N/A	N/A	028883/0747
LIGO-022/02US 306927-2135	13/023,363	08/10/2009	N/A	N/A	025931/0792
LIGO-023/01US 306927-2154	13/574,756	01/21/2011	N/A	N/A	029255/0034
LIGO-025/00US 306927-2146	61/663,218	06/22/2012	N/A	N/A	028469/0659