### 504287441 03/23/2017

#### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name		Execution Date	
SASWATI CHATTERJEI	E			12/12/2012	
LAURA SMITH					
KAMEHAMEHA WONG					
RECEIVING PARTY DA	TA				
Name:	CITY OF	HOPE			
Street Address:	1500 EA	ST DUARTE ROAD			
City:	DUARTE				
State/Country:	CALIFOF	RNIA			
Postal Code:	91010				
Property Type Application Number:	<b>1</b> !	<b>Number</b> 5454754			
PROPERTY NUMBERS	Total: 3				
Application Number:	1!	5454754			
Application Number: 1546		5465378			
Application Number:	1!	5465387			
CORRESPONDENCE D Fax Number:		357)300-4001			
	•	he e-mail address first; if that	t is unsucces	oful it will be cont	
Correspondence WIII D			i is unsubbes	siui, it will be sent	
		if that is unsuccessful, it will			
<i>using a fax number, if µ</i> Phone:	p <b>rovided;</b> (8	<i>if that is unsuccessful, it will</i> 357) 300-4000	be sent via U	S Mail.	
<i>using a fax number, if µ</i> Phone: Email:	p <b>rovided;</b> (8 Irc	<i>if that is unsuccessful, it will</i> 357) 300-4000 oberts@lathropgage.com, inter	be sent via U	S Mail.	
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<i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1:	p <b>rovided;</b> (8 Ird L/ 28	<i>if that is unsuccessful, it will</i> 857) 300-4000 oberts@lathropgage.com, inter ATHROP & GAGE LLP 8 STATE STREET	be sent via U	S Mail.	
<i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	p <b>rovided;</b> (8 Ird 28 S	<i>if that is unsuccessful, it will</i> 857) 300-4000 oberts@lathropgage.com, inter ATHROP & GAGE LLP 8 STATE STREET UITE 700	<b>be sent via U</b> nalip@lathropg	S Mail.	
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using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	p <b>rovided;</b> (8 Ird 28 S B	<i>if that is unsuccessful, it will</i> 357) 300-4000 oberts@lathropgage.com, inter ATHROP & GAGE LLP 8 STATE STREET UITE 700 OSTON, MASSACHUSETTS C HMT-003CIPCON3, 4 ANI ANDREW T. WILKINS	<i>be sent via U</i> nalip@lathropg 2109	S Mail.	

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PATENT REEL: 041711 FRAME: 0234

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	RECOMBINANT ADENO-ASSOCIATED VECTORS FOR TARGETED TREATMENT		
As the below named inventor, I hereby declare that:			
This declaratio	n is The attached application, or		
directed to:	$\square$ United States application or PCT international application number <u>13/668,120</u> filed on <u>November 2, 2012</u> .		

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

WHEREAS, CITY OF HOPE (hereinafter referred to as "ASSIGNEE") having a place of business at: 1500 East Duarte Road, Duarte, California, 91010-3000, desires to acquire the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which I hereby acknowledge. I, by these presents, do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR:	Saswati CHATTERJEE
Signature: Algulu	Date: 12/12/12
ON BEHALF OF ASSIGNEE:	CITY OF HOPE
Signature:	Date: <u>12/20/12</u>
By: Larry A. Couture, Senior VP, CATD	· · ·

54435-8071.US02/LEGAL25157830.1

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

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As the below named inventor, I hereby declare that:			
This declaration is directed to:	<ul> <li>The attached application, or</li> <li>United States application or PCT international application number <u>13/668,120</u></li> <li>filed on <u>November 2, 2012</u>.</li> </ul>		

The above-identified application was made or authorized to be made by me.

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NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which I hereby acknowledge, I, by these presents, do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in any and all divisions, reissues, continuations, substitutions and renewals thereof.

l hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR:	Laura SMITH
Signature:au Al	Date: 12/14/12
ON BEHALF OF ASSIGNER	CITY OF HOPE
Signature: By: Larry A. Couture, Senior VP, CATD)	Date: <u>12/20/12</u>
54435-8071.US024.EGAL25157846.1	

REEL: 041711 FRAME: 0236

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	RECOMBINANT ADENO-ASSOCIATED VECTORS FOR TARGETED TREATMENT		
As the below named inventor, I hereby declare that:			
This declaratio	n is The attached application, or		
dírected to:	United States application or PCT international application number $\underline{13/668.120}$ filed on November 2, 2012.		

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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1 acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

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NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which I hereby acknowledge, I, by these presents, do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR:	Kamehameha WONG		
Signature: Kaleakh	My Date: _	121	2.2012
ON BEHALF OF ASSIGNER	<u>CITY OF HOPE</u>		
Signature:	Date:	<u>12/28/12</u>	
By: Larry A. Couture, Senior VP, CATD			

54435-8071.US02/LEGAU25157833.1

**RECORDED: 03/23/2017** 

PATENT REEL: 041711 FRAME: 0237