

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT2995221

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GILLES BERNARD TREMBLAY	12/08/2010
MARIO FILION	12/08/2010
MATTHEW STUIBLE	12/09/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALETHIA BIOTHERAPEUTICS INC.
<b>Street Address:</b>	141 PRESIDENT-KENNEDY AVENUE, SB-5100
<b>City:</b>	MONTREAL
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	H2X 1Y4
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14148800
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(514)858-5333
<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>	514-858-7666
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<b>Correspondent Name:</b>	JANIQUE FORGET
<b>Address Line 1:</b>	141 PRESIDENT-KENNEDY AVENUE, SB-5100
<b>Address Line 4:</b>	MONTREAL, CANADA H2X 1Y4
<b>ATTORNEY DOCKET NUMBER:</b>	20100008-030
<b>NAME OF SUBMITTER:</b>	JANIQUE FORGET
<b>SIGNATURE:</b>	/Janique Forget/
<b>DATE SIGNED:</b>	08/25/2014
<b>Total Attachments: 3</b>	
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### ASSIGNMENT

For good and valuable consideration, we (hereinafter referred to as "Assignors"):

FULL NAME OF ASSIGNORS	CITY	STATE OR PROVINCE AND COUNTRY
Gilles Bernard TREMBLAY	La Prairie	Quebec, Canada
Mario FILION	Longueuil	Quebec, Canada
Matthew STUIBLE	Montreal	Quebec, Canada

hereby assign, vest and transfer (and/or confirm such assignment, vesting or transfer) to:

FULL NAME OF ASSIGNEE	BUSINESS ADDRESS
ALETHIA BIOTHERAPEUTICS INC.	141, avenue Président-Kennedy, Suite SB-5100 Montréal, (Québec) H2X 1Y4

and its successors, assigns or legal representatives (collectively herein called the "Assignee"), the entire and exclusive right, title and interest in Canada, the United States and everywhere else throughout the world in the invention(s) and improvements which are the subject of the patent application(s) identified as:

TITLE OF APPLICATION	FILING DATE	SERIAL NUMBER
ANTIBODIES THAT SPECIFICALLY BLOCK THE BIOLOGICAL ACTIVITY OF AN OSTEOCLAST-SPECIFIC ANTIGEN	10/06/2009	US 61/248,960
ANTIBODIES THAT SPECIFICALLY BLOCK THE BIOLOGICAL ACTIVITY OF AN OSTEOCLAST-SPECIFIC ANTIGEN	10/06/2010	PCT/CA2010/001586

and related application(s) and patent(s), this assignment including said application(s), and all United States and foreign patents granted for any of said invention(s) or improvement(s), including all divisions, continuations, renewals, reissues, reexaminations, continuations-in-part and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, and the right to claim priority based on the filing date of said application(s) and based on the filing date of any provisional application of which said application(s) claims the benefit under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents and like rights of exclusion and for inventor's certificates for said inventions and improvements; and we agree for ourselves and our heirs, legal representatives and assigns, without further compensation, upon request to perform such lawful acts, to promptly provide Assignee with all pertinent facts and documents relating to said invention(s) or application(s) as may be known and accessible to us, to testify in any interference, opposition, litigation, or similar proceedings related to said invention(s) or

application(s), to sign such further applications, assignments, declarations, affidavits, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment and to execute any other papers that may be needed in connection with filing said application(s) and securing Letters Patents thereon.

The Assignors hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

The Assignors hereby authorize the insertion on this Assignment of the serial number(s) and filing date(s) of said application(s) when known.

The Assignors hereby authorize the Commissioner of Patents and Trademarks, or any official whose duty it is to issue patents, to issue a Letters Patent on said application(s), and on any and all divisions, continuations, renewals, reissues, reexaminations, continuations-in-part and extensions thereof to Assignee in accordance herewith. It is the express wish of the parties that this Assignment be drafted in the English language. C'est la volonté expresse des parties que cette cession soit rédigée en langue anglaise.

SIGNED this 8 day of December 2010  
(day) (month) (year)

WITNESS:

Raoula KHOURY  
Full Name:

ASSIGNOR:

Gilles Bernard TREMBLAY  
Gilles Bernard TREMBLAY

SIGNED this 8<sup>th</sup> day of December 2010  
(day) (month) (year)

WITNESS:

Raoula KHOURY  
Full Name:

ASSIGNOR:

Mario FILION  
Mario FILION

SIGNED this 9<sup>th</sup> day of December 2010  
(day) (month) (year)

WITNESS:

Raoula KHOURY  
Full Name:

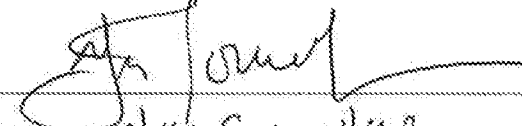
ASSIGNOR:

Matthew STUIBLE  
Matthew STUIBLE

READ and APPROVED

SIGNED this 10<sup>th</sup> day of December 2010  
(day) (month) (year)

ALETHIA BIOTHERAPEUTICS INC.

  
Per: Wes Cornwell  
Title: President & CEO