

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4570915

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ADNAN M.M. MJALLI	08/17/2011
MARIA CARMEN VALCARCE LOPEZ	08/12/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TRANSTECH PHARMA, INC.
<b>Street Address:</b>	4170 MENDENHALL OAKS PARKWAY
<b>City:</b>	HIGH POINT
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27265
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15687824
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(336)841-7020
<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>	336-841-0300 EXT 159
<b>Email:</b>	patentmail@vtvtherapeutics.com
<b>Correspondent Name:</b>	SAMUEL B. ROLLINS
<b>Address Line 1:</b>	4170 MENDENHALL OAKS PARKWAY
<b>Address Line 4:</b>	HIGH POINT, NORTH CAROLINA 27265
<b>ATTORNEY DOCKET NUMBER:</b>	2010-05-US-C
<b>NAME OF SUBMITTER:</b>	SAMUEL B. ROLLINS
<b>SIGNATURE:</b>	/Samuel B. Rollins/
<b>DATE SIGNED:</b>	08/29/2017
<b>Total Attachments: 4</b>	
source=1. Assignment (inventors to TTP)#page1.tif	
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## ASSIGNMENT OF PATENT APPLICATION

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned,

Adnan M.M. Mjalli of 6421 Ashton Park Drive, Oak Ridge, North Carolina 27310, and  
Maria Carmen Valcarce Lopez of 1785 Deer Run Court, Oak Ridge, NC 27310,

(collectively, "the Inventors" or "the Assignors") do hereby sell, assign, and transfer to TransTech Pharma, Inc., a corporation of the State of Delaware, having its principal place of business at 4170 Mendenhall Oaks Parkway, High Point, North Carolina 27265 ("the Assignee"), and the Assignee's successors and assigns, all right, title, and interest for all countries in and to the United States nonprovisional patent application entitled

USE OF METFORMIN IN COMBINATION WITH A GLUCOKINASE ACTIVATOR AND  
COMPOSITIONS COMPRISING METFORMIN AND A GLUCOKINASE ACTIVATOR, filed May 24,  
2011, and identified as United States Patent Application No. 13/114,964, ("the Application"),

and in and to any and all inventions disclosed in the Application ("the Inventions") and all nonprovisional applications for United States Patent, including divisional, continuing, substitute, renewal, and reissue thereof, and all other applications for United States Patent or other related property rights in any and all foreign countries which have been or shall be filed on one or more of the Inventions, and in and to all original and reissued patents or related foreign documents that have been or shall be issued on one or more of the Inventions.

We, the Assignors, in accordance with this assignment, authorize and request the Commissioner for Patents of the United States to issue to the Assignee or the Assignee's successors and assigns, in accordance with this assignment, any and all United States Patents that claim or disclose one or more of the Inventions.

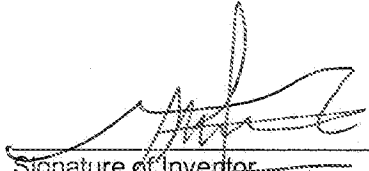
We, the Assignors, further agree, for good and valuable consideration, the receipt of which is hereby acknowledged, that the Assignee or the Assignee's successors and assigns may apply for and receive foreign Patents or similar such rights and, in doing so, may make a claim of priority to the Application under the provisions of any bilateral or multilateral treaty or international agreement, including but not limited to, the International Convention of 1883 and later modifications thereof ("the Paris Convention"), the Patent Cooperation Treaty, the European Patent Convention, the Eurasian Patent Convention, the agreement(s) of the African Regional Intellectual Property Organization, the agreement(s) of the Organisation Africaine de la Propriete Intellectuelle, and the agreement(s) of the Cooperation Council for the Arab States of the Gulf; and that, when requested, without charge to the Assignee or the Assignee's successors and assigns, to carry out in good faith the intent and purpose of this assignment, the Inventors, or their executors or administrators, will, for the United States and any and all foreign countries: (i) execute any and all documents related to any application for patent in the United States or a foreign country, where such application discloses one or more of the Inventions; (ii) execute any and all oaths, declarations, assignments, confirmatory assignments, powers of attorney and other papers concerning one or more of the Inventions and any and all patent applications thereon, whether in the United States or a foreign country; and (iii) perform other such acts, at the request of the Assignee or the Assignee's successors and assigns, to obtain or maintain any and all patents or related property rights in the United States or any foreign country on one or more of the Inventions or any improvements thereto and to vest title thereto in the Assignee or the Assignee's successors and assigns.

In testimony whereof, we, the Assignors, have each signed our names below on the dates indicated.

**SIGNATURES ARE ON THE FOLLOWING PAGES**

(REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK)

Adnan M.M. Mjalli  
Name of Inventor

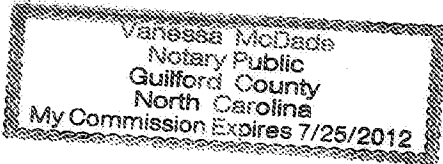
  
Signature of Inventor  
8/17/2011  
Date

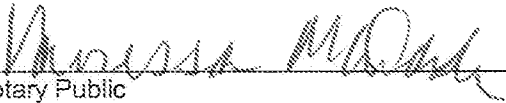
**NOTARIZATION ACCOMPANYING ASSIGNMENT**

Guilford County, North Carolina

Adnan M.M. Mjalli, who is known to me, personally appeared before me this day and acknowledged his execution of the foregoing Assignment of Patent Application.

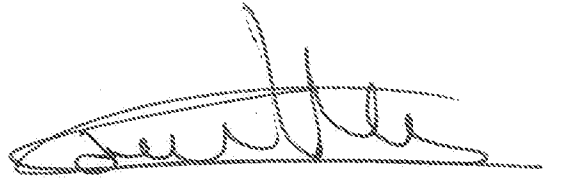
Notice my hand and official seal this 17<sup>th</sup> day of August, 2011.



  
Notary Public

My commission expires July 25, 2011.

Maria Carmen Valcarce Lopez  
Name of Inventor



Signature of Inventor

08/12/11  
Date

**NOTARIZATION ACCOMPANYING ASSIGNMENT**

Guilford County, North Carolina

Maria Carmen Valcarce Lopez, who is known to me, personally appeared before me this day, and acknowledged her execution of the foregoing Assignment of Patent Application.

Notice my hand and official seal this 12<sup>th</sup> day of August, 2011.

Kristin Nichol Neal  
Notary Public

My commission expires 1-9-2015

