

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KEVIN PATRICK MINBIOLE	11/05/2014
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15034375
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<b>ATTORNEY DOCKET NUMBER:</b>	F5129-00071
<b>NAME OF SUBMITTER:</b>	JIAZHONG LUO, PH.D.
<b>SIGNATURE:</b>	/Jiazhong Luo/
<b>DATE SIGNED:</b>	09/11/2017
<b>Total Attachments: 2</b>	
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source=F5129-00039-Signed-Villanova_Assignment#page2.tif	

**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, **Kevin Patrick Minbiole**, of 20 Jonathan Morris Circle, Media, Pennsylvania 19063 ("Assignor"), hereby assign to **Villanova University**, a university of Pennsylvania, having a place of business at 800 E. Lancaster Avenue, Philadelphia, Pennsylvania 19085, and its successors and assigns; (hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are described and/or claimed in a patent application entitled **"POLYCATIONIC AMPHIPHILES AS ANTIMICROBIAL AGENTS,"** which was filed with the United States Patent and Trademark Office on November 5, 2014, and assigned International Application Number PCT/US14/64122 ("said application"). (and Assignor signing below hereby authorizes and requests the Duane Morris LLP to insert the filing date and serial number when that information becomes available.)

This assignment further includes all my rights in any inventions and improvements that are described and/or claimed in any application that is a utility application claiming the benefit of the priority date of said application ("said utility application"); any continuation, continuation-in-part, or divisional application of said application or said utility application; any patent(s) that issue from the foregoing application(s), including any utility patents and models; any patent(s) that issue from the foregoing application(s) and are subjected to reexamination and/or reissue proceedings; and any design registrations granted for any of the inventions or improvements described in the foregoing application(s) or patent(s). This assignment further includes any and all patents and patent applications claiming or having the right to claim priority to the filing date of said application, said utility application, or any continuation, continuation-in-part, or divisional application thereof under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purpose.

This assignment also includes, without limitation, any claims, whether known or unknown, and whether suspected or unsuspected, of any nature that I have or may have against any party for infringement of any of the patents referenced herein and the right to sue for past infringement and to recover and retain damages and profits in respect thereof.

I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, and like rights of exclusion and for inventors' certificates for said inventions and improvements.

I hereby covenant and agree that I will communicate to the Assignee or the Assignee's nominee(s) all facts known to me pertaining to said inventions and improvements, and I agree for myself

and my respective heirs, legal representations, and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, reissues, Preliminary Statements, and other lawful documents, testify in all legal proceedings, make all rightful oaths and declarations, and in general perform or cause to be performed all lawful acts necessary or proper to aid the Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent protection for the inventions and improvements in the United States and in other countries or regions.

I hereby covenant that I have the full right to convey the entire right, title, and interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith.



**Kevin Patrick Minbiole**

Date: 11/5/2014