

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>LIONEL APETOH</td> <td>03/03/2009</td> </tr> <tr> <td>GUIDO KROEMER</td> <td>02/20/2009</td> </tr> <tr> <td>LAURENCE ZITVOGEL</td> <td>02/20/2009</td> </tr> </tbody> </table>		Name	Execution Date	LIONEL APETOH	03/03/2009	GUIDO KROEMER	02/20/2009	LAURENCE ZITVOGEL	02/20/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>INSTITUT GUSTAVE ROUSSY</td> </tr> <tr> <td>Street Address:</td> <td>39, RUE CAMILLE DESMOULINS</td> </tr> <tr> <td>City:</td> <td>VILLEJUIF CEDEX</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>94805</td> </tr> </table>		Name:	INSTITUT GUSTAVE ROUSSY	Street Address:	39, RUE CAMILLE DESMOULINS	City:	VILLEJUIF CEDEX	State/Country:	FRANCE	Postal Code:	94805
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<b>PROPERTY NUMBERS Total: 1</b>											
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Application Number:	12373789										
<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (352)372-5800</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 3523758100</p> <p>Email: fce@slspatents.com</p> <p>Correspondent Name: FRANK C. EISENSCHENK, PH.D.</p> <p>Address Line 1: P.O. BOX 142950</p> <p>Address Line 4: GAINESVILLE, FLORIDA 32614-2950</p>											
ATTORNEY DOCKET NUMBER:	BKR.131										
NAME OF SUBMITTER:	FRANK C. EISENSCHENK, PH.D.										
<p>Total Attachments: 4</p> <p>source=executed-asgn#page1.tif</p> <p>source=executed-asgn#page2.tif</p>											

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**PATENT**  
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## ASSIGNMENT

WHEREAS, we, the undersigned, residing at the indicated addresses given below, have invented certain new and useful improvements in **TOLL LIKE RECEPTOR 4 DYSFUNCTION AND THE BIOLOGICAL APPLICATIONS THEREOF**, for which applications for United States Letters Patent were filed January 14, 2009, as Serial No. 12/373,789.

WHEREAS, INSTITUT GUSTAVE ROUSSY, a corporation of the country of France, having a place of business at 39, rue Camille Desmoulins, 94805 Villejuif Cedex, France, is desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of our prior employment with INSTITUT GUSTAVE ROUSSY, and other valuable consideration, we, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said INSTITUT GUSTAVE ROUSSY, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said INSTITUT GUSTAVE ROUSSY, as the assignee of the entire right, title, and interest in and to the same, for the sole use and behoof of said INSTITUT GUSTAVE ROUSSY, its successors and assigns.

FURTHER, we agree that we will communicate to said INSTITUT GUSTAVE ROUSSY, or its representatives, any facts known to us respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said INSTITUT GUSTAVE ROUSSY; make all rightful oaths; and generally do everything possible to aid the said INSTITUT GUSTAVE ROUSSY, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

BKR.131

IN TESTIMONY WHEREOF, I have hereunto set my hand this 3<sup>rd</sup> day of March  
2009.

Signed



Lionel Apetoh  
106 Queensberry Street, Apt. 16  
Boston, MA 02215

WITNESSED BY:



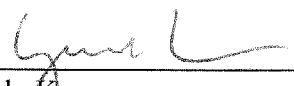
Signature

Caroline Pot Kreis  
Typed or Printed Name

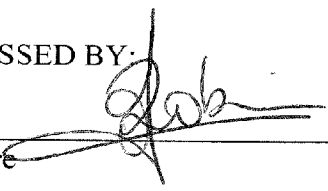
BKR.131

IN TESTIMONY WHEREOF, I have hereunto set my hand this 20 day of February  
2009.

Signed

  
\_\_\_\_\_  
Guido Kroemer  
17 rue du Nord  
Antony F-92160  
France


WITNESSED BY:

  
\_\_\_\_\_  
Signature

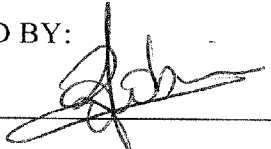
ROBIN Christelle  
\_\_\_\_\_  
Typed or Printed Name

IN TESTIMONY WHEREOF, I have hereunto set my hand this 20 day of February,  
2009.

Signed

  
\_\_\_\_\_  
Laurence Zityogel  
17 rue du Nord  
Antony F-92160  
France

WITNESSED BY:

  
\_\_\_\_\_  
Signature

ROBIN Chitelle  
\_\_\_\_\_  
Typed or Printed Name