### 503833427 05/19/2016

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JONATHAN A. BAKER	10/10/2013
MATTHEW COLIN THOR FYFE	07/22/2013

#### **RECEIVING PARTY DATA**

Name:	ORYZON GENOMICS S.A.	
Street Address:	SANT FERRAN 74	
City:	CORNELLA DE LLOBREGAT, BARCELONA	
State/Country:	SPAIN	
Postal Code:	08940	

## **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	14096557	

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	12064.0007-01000
NAME OF SUBMITTER:	PAMELA A. GEBHARDTSBAUER
SIGNATURE:	/Pamela A. Gebhardtsbauer/
DATE SIGNED:	05/19/2016

#### **Total Attachments: 6**

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PATENT REEL: 038643 FRAME: 0854

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 12064.0007

# ASSIGNMENT AND DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), of a claimed invention in an application for United States Letters Patent entitled:

and/or PCT International Application No. PCT/EP2011/071444.	
WHEREAS, Oryzon Genomics S.A.	
whose post office address is C/Sant Ferran 74, 08940 Cornellà de Llobregat, Barcelona, Spain	

LYSINE DEMETHYLASE INHIBITORS FOR DISEASES AND DISORDERS ASSOCIATED WITH FLAVIVIRIDAE

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, i/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional Application No. 61/458,776, filed November 30, 2010 (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to Issue patents on applications as described above, to Issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

SOLE/JOINT INVENTION
(Worldwide Rights)

Attorney Docket No. 12064.0007

AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (Application No.[Text], filed [Date]) the filing date and application number of said application when known.

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As a named threator below I hereby declare that: (1) This declaration is directed to the above dentified application;
(2) the above dentified application was made or authorized to be made by me, (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (6) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the US PTO all information known to me to be material to patentability as defined in 37C.F.R. § 1.56.

#### Authorization To Permit Access To Application by Participating Offices:

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-'KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified patent application is filed to have access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the Applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application.

In accordance with 37 CFR 1,14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

I hereby appoint the patent practitioners associated with FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852 to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

FULL NAME OF SOLE OR FIRST ASSIGNOR  Jonathan A. Baker	ASSIGNORS SIGNATURE	DATE 10/10/70/7
ADDRESS: Oryzon Genomics StAt, C/Gant-Ferg Spain	n 74, 08940 Cornellà de Llebregat, Barcelona,	CITIZENSHIP US
4232 S. MAG	lauss WAY, SLC ute	(174)
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 12064.0007

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2. WITNESS NAME		WITNESS SIGNATURE	DATE
		888 8	
ADDRESS			CITIZENSHIP
2. FULL NAME OF SE	COND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Matthew Colin Ti	nor Fyfe		
ADDRESS: Oryzon G Spain	enomics S.A., C/Sant Ferr	an 74, 08940 Cornellà de Llobregat, Barcelona,	CITIZENSHIP British
opan			
1. WITNESS NAME		WITNESS SIGNATURE	DATE
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2. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS			CITIZENSHIP
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ometarora e Blesse ex	ORYZON GENOMICS	S A	
kssignee Name:	COMPONDE NUMBER	<b>3.00.</b>	
Signature:			
rinted Name:	<u>Carlos Buesa Ariol</u>		
Corporate Title:	Chief Executive Officer		
) lata			

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 12064 0007

## ASSIGNMENT AND DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), of a claimed invention in an application for United States Letters Patent entitled:

filed herewith or on May 29, 20	313 as United States Application No. 13/990,11	82 (Confirmation No. 7301) atta	ched hereto
and/or PCT International Appli	cation No. PCT/EP2011/071444		
WHEREAS, Oryzon Genom	nice S.A.		
a corporation of Spain		***************************************	
whose post office address is	C/Sant Ferran 74, 08940 Cornella de Liobreg		
111.000 5001 01.000 000.000		X	

LYSINE DEMETHYLASE INHIBITORS FOR DISEASES AND DISORDERS ASSOCIATED WITH FLAVIVIRIDAE

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional Application No. 61/456.776, filed November 30, 2010 (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filled for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, IAVE HEREBY covenant that IAVE have the full right to convey the interest assigned by this Assignment, and IAVE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful paths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (Application No.[Text], filed [Date]) the filing date and application number of said application when known

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the US PTO all information known to me to be material to patentability as defined in 37C.F.R. § 1.58.

#### Authorization To Permit Access To Application by Participating Offices:

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified property office in which a foreign application claiming priority to the above-identified patent application is filed to have access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the Applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

I hereby appoint the patent practitioners associated with FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852 to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

#### IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

FULL NAME OF SOLE OR FIRST ASSIGNOR     Jonalhan A. Baker	ASSIGNOR'S SIGNATURE	CATE
ADDRESS: Oryzon Genomics S.A., C/Sant Fei Spain	rran 74, 08940 Cornellà de Llobregat, Barcelona,	CITIZENSHIP US
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

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SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No., 12064 0007

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			PACE
L WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS			CITIZENSHIP
2. FULL NAME OF SE Matthew Colin Ti		ASSIGNOR'S SIGNATURE Maddle Color Co	DATE 22 Jul 2013
ADORESS: Oryzon G Spain	ienomics S.A., C/Sant	Ferran 74, 08940 Comellà de Liobregat, Barcelona,	CITIZENSHIP British
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2 WITNESS NAME 1700 ELE P		WITNESS SIGNATURE FFCCAAA	0ate 99/07/15
ADDRESS TOTIVEN BLOG (RSM)	T CTD, INTENTI PRINCE CONSORT	ROAD LONDON, SINT 28P, UK	CITIZENSHIP U.K
ssignee Name:	ORYZON GENON	NCS S.A.	
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rinted Name	<u>Carlos Buese Arjo</u>		
orporate Title:	Chief Executive O	fficer	+ 3%
ale:			

Page 3 of 3

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**RECORDED: 05/19/2016**