

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4998341

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WEI-LIEN CHUANG	07/09/2013
GERALD F. COX	07/17/2013
X. KATE ZHANG	07/11/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GENZYME CORPORATION
<b>Street Address:</b>	500 KENDALL STREET
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02142
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16003598
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	022548.C1045
<b>NAME OF SUBMITTER:</b>	JIN LI
<b>SIGNATURE:</b>	/Jin Li/
<b>DATE SIGNED:</b>	06/08/2018
<b>Total Attachments: 4</b>	
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## ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED and intending to be legally bound, we, the undersigned joint inventors (Assignors), sell, assign and transfer to **GENZYME CORPORATION** (Assignee), 500 Kendall Street, 02142, Cambridge, MA, USA, and its successors, assigns and legal representatives, our entire and exclusive right, title and interest in and to our invention and any improvements thereon for all countries of the world, relating in and to this US application therefore, assigned Sanofi Docket No. **US2013/004 US PSP** filed on **June 7, 2013**, as Serial No. **61/832,302**, entitled

### MARKER FOR ACID SPHINGOMYELINASE DISORDERS AND USES THEREOF

and all the rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property, including the right to claim priority based on said United States application, and under any and all Letters Patent which may be granted therefor, and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country or patent organization, including, without limitation, continuations, divisions, renewals, revivals, and any substitute applications of said United States application, and any and all patents which may issue thereon, and any reissues, reexaminations, pipelines and extensions, and governmental exclusivity rights of the same; and we hereby authorize and request the USPTO and any foreign patent authority or office whose duty it is to issue patents on applications or priorities 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.

WE state that we are original inventors of the claimed invention and authorize the filing of a patent application for the claimed invention.

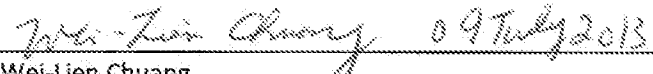
WE authorize and request competent authorities to grant and issue any and all patents on said invention to said assignee or its successor, assigns and legal representatives, or to such nominees as said assignee may designate.

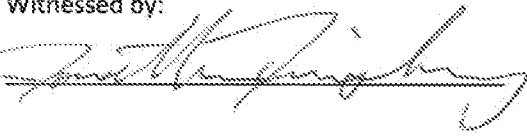
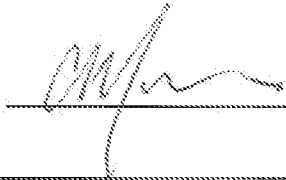
WE agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, testify in any legal proceedings, and do all acts which may be necessary, desirable or convenient for securing, maintaining, and enforcing patents for said invention in any and all countries and for vesting title thereto in said assignee, its successors, assigns, legal representatives or nominees.

WE covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed and that we will not enter into any assignment, contract, or understanding in conflict herewith.

WE hereby acknowledge that any willful false statements made in this assignment are punishable by fine or imprisonment, or both, under Title 18, United States code §1001.

Signed at Framingham, MA, USA on this 9th day of July, 2013  
(City, State and Nation)

Signature:   
Inventor's Name: Wei-Lien Chuang  
Mailing Address: Bridgewater, New Jersey, 08807, US

Witnessed by:  

Signed at \_\_\_\_\_ on this \_\_\_\_\_ day of July, 2013  
(City, State and Nation)

Signature: \_\_\_\_\_  
Inventor's Name: Gerald F. Cox  
Mailing Address: Bridgewater, New Jersey, 08807, US

Witnessed by: \_\_\_\_\_

Signed at \_\_\_\_\_ on this \_\_\_\_\_ day of July, 2013  
(City, State and Nation)

Signature: \_\_\_\_\_  
Inventor's Name: X. Kate Zhang  
Mailing Address: Bridgewater, New Jersey, 08807, US

Witnessed by: \_\_\_\_\_

WE hereby acknowledge that any willful false statements made in this assignment are punishable by fine or imprisonment, or both, under Title 18, United States code §1001.

Signed at \_\_\_\_\_ on this \_\_\_\_\_ day of July, 2013  
(City, State and Nation)

Signature: \_\_\_\_\_  
Inventor's Name: Wei-Lien Chuang  
Mailing Address: Bridgewater, New Jersey, 08807, US

Witnessed by:  
\_\_\_\_\_  
\_\_\_\_\_

Signed at Cambridge, MA USA on this 17 day of July, 2013  
(City, State and Nation)

Signature: Gerald F. Cox  
Inventor's Name: Gerald F. Cox  
Mailing Address: Bridgewater, New Jersey, 08807, US

Witnessed by:  
Chris Hanson \_\_\_\_\_ Kathleen Collins \_\_\_\_\_

Signed at \_\_\_\_\_ on this \_\_\_\_\_ day of July, 2013  
(City, State and Nation)

Signature: \_\_\_\_\_  
Inventor's Name: X. Kate Zhang  
Mailing Address: Bridgewater, New Jersey, 08807, US

Witnessed by:  
\_\_\_\_\_  
\_\_\_\_\_

WE hereby acknowledge that any willful false statements made in this assignment are punishable by fine or imprisonment, or both, under Title 18, United States code §1001.

Signed at \_\_\_\_\_ on this \_\_\_\_\_ day of July, 2013  
(City, State and Nation)

Signature: \_\_\_\_\_  
Inventor's Name: Wei-Lien Chuang  
Mailing Address: Bridgewater, New Jersey, 08807, US

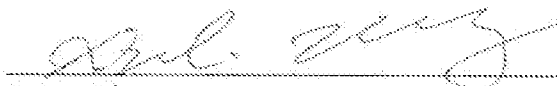
Witnessed by:  
\_\_\_\_\_  
\_\_\_\_\_

Signed at \_\_\_\_\_ on this \_\_\_\_\_ day of July, 2013  
(City, State and Nation)

Signature: \_\_\_\_\_  
Inventor's Name: Gerald F. Cox  
Mailing Address: Bridgewater, New Jersey, 08807, US

Witnessed by:  
\_\_\_\_\_  
\_\_\_\_\_

Signed at Fraughaw, MA, USA on this 11 day of July, 2013  
(City, State and Nation)

Signature:   
Inventor's Name: X. Kate Zhang  
Mailing Address: Bridgewater, New Jersey, 08807, US

Witnessed by:  
