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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	

Name	Execution Date
CATHERINE O'RIORDAN	09/09/2013
SAMUEL WADSWORTH	09/06/2013

RECEIVING PARTY DATA

Name:	GENZYME CORPORATION
Street Address:	500 KENDALL STREET
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02142

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	12417910	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	5383 US CNT
NAME OF SUBMITTER:	TARYN ANTALEK
Signature:	/Taryn Antalek/
Date:	11/07/2013

Total Attachments: 3

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> PATENT REEL: 031558 FRAME: 0932

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ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED and intending to be legally bound, we, the undersigned joint inventor(s) (Assignor(s)), sell, assign and transfer to GENZYME CORPORATION (Assignee), 500 Kendall Square, 02142 Cambridge, 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. 5383 US-CNT filed on April 3, 2009 as Serial No. 12/417,910, entitled

GENE THERAPY FOR AMYOTROPHIC LATERAL SCLEROSIS AND OTHER SPINAL CORD DISORDERS

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 I/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 an original inventor(s) 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.

PATENT REEL: 031558 FRAME: 0933 Assignment U.S. Serial No. **12/417,910**

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 $\S 1001$.

Signature: Signature: Inventor's Name: Mailing Address: Witnessed by:	tion) Samuel WADSWC 10 Straw Hollow I	ORTH		
(City, State and Na Signature: Inventor's Name:	tion) Samuel WADSWC 10 Straw Hollow I	PRTH .ane		
(City, State and Na Signature: Inventor's Name:	tion) Samuel WADSWC	ORTH	, 2013	
(City, State and Na Signature:	tion)		, 2013	
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Signer as	on use		, ZV13	
Signed at	an thir	day of	, 2013	
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	Lee	Y () () Print Name: ()	XIVILA MYN I. IVAZA	
Witnessed by:		s	Maria	
Mailing Address:		v Jersey, 08807, US		
Signature: Inventor's Name:	Catherine O'RIOR	DAN		
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PATENT REEL: 031558 FRAME: 0934 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	, 2013
(City, State and Na	tion)		
Signature: Inventor's Name: Mailing Address:	Catherine O'RIOR Bridgewater, Nev	DAN v Jersey, 08807, US	
Witnessed by:			
Print Name:		Print Name:	
Signed at \(\int \int \int \int \int \int \int \int	USA on this 6	day of Soy	<u>~\}~~</u> / 2013
Signature: Inventor's Name: Mailing Address:	Samuel WADSWO 10 Straw Hollow L		
Witnessed by: Thanne 1 Dalace	on t i	1000	atale
Print Name: Shayow Wads	App. App. App. App. App. App. App. App.	Print Name. 7/	44 MM142
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