

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4079295

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERT J. MILLER	12/16/2010
LUIS Z AVILA	10/08/2010
CLARK Q. PAN	09/22/2010
PATRICK FINN	09/22/2010
JOHN HARRAHY	09/22/2010
QUN ZHOU	09/22/2010
YUNXIANG ZHU	09/28/2010
PAUL A. KONOWICZ	10/15/2010
JOSEPH P. KUTZKO	09/22/2010
MICHAEL R. REARDON	10/08/2010
JAMES E. STEFANO	09/22/2010
XIAOYANG ZHENG	09/22/2010
DUNCAN E. PATERSON	10/06/2010
ANDREAS PEER	10/06/2010
LAUREN YOUNG	06/24/2011
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:	14445941
CORRESPONDENCE DATA	
Fax Number:	(908)981-7830
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	908-981-6762

Email: GlobalPatent.eFlow@Sanofi.com
Correspondent Name: BRIAN PRITCHETT
Address Line 1: 55 CORPORATE DRIVE
Address Line 2: MAIL STOP: 55A-505A
Address Line 4: BRIDGEWATER, NEW JERSEY 08807

ATTORNEY DOCKET NUMBER: 5400 US CNT

NAME OF SUBMITTER: BRIAN PRITCHETT

SIGNATURE: /Brian Pritchett/

DATE SIGNED: 10/03/2016

Total Attachments: 16

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ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)) have made an invention entitled:

OLIGOSACCHARIDE-PROTEIN CONJUGATES

identified as International Patent Application No. PCT/US2009/067775, filed December 11, 2009, which claims priority to U.S. provisional patent application No. 61/122,851, filed December 16, 2008; and

WHEREAS, Genzyme Corporation, a corporation of Commonwealth of Massachusetts whose post office address is 500 Kendall Street Cambridge, Massachusetts 02142, U.S.A. (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, 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 on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, 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 Commissioner of Patents and Trademarks of the United States 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

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

Date: 12/16/2008

the person whose name is signed on the attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Carla Ann Miller Notary Public

REEL: 039919 FRAME: 0913

ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)) have made an invention entitled:

OLIGOSACCHARIDE-PROTEIN CONJUGATES

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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, 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 on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, 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 Commissioner of Patents and Trademarks of the United States 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;

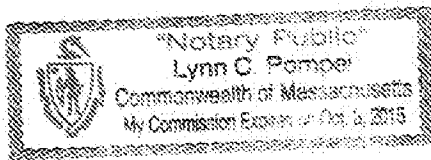
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

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.

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

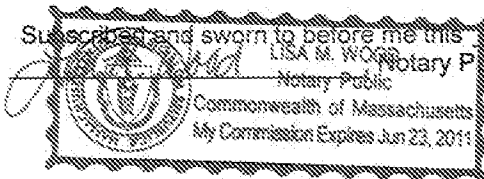
County of Middlesex)
)
) ss. Name: Luis Z. Avila
) Address: 11 Sleepy Hollow Lane
) Arlington, MA 02474
State of Massachusetts)
) By: [Signature]
) Date: 08 OCT 2010

Subscribed and sworn to before me this 8th day of October, 2010
Lynn C. Pompei, Notary Public



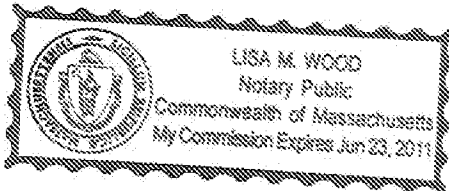
County of Middlesex)
)
) ss. Name: Clark Q. Pan
) Address: 353 Dutton Road
) Sudbury, MA 01766
State of Massachusetts)
) By: Clark Pan
) Date: 9/22/10

Subscribed and sworn to before me this 22nd day of September, 2010
Lisa M. Wood, Notary Public



County of Middlesex)
)
) ss. Name: Patrick Finn
) Address: 909 Pleasant Street, Unit 16
) Weymouth, MA 02189
State of Massachusetts)
) By: [Signature]
) Date: 09/22/10

Subscribed and sworn to before me this 22nd day of September, 2010
Lisa M. Wood, Notary Public



County of Middlesex)

ss.

Name: John Harrahy

Address: 8 Autumn Road

Medway, MA 02053

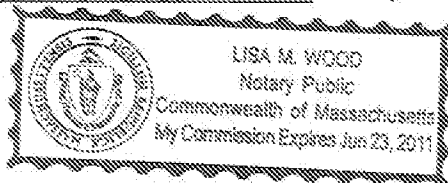
State of Massachusetts)

By: [Signature]

Date: 9-22-10

Subscribed and sworn to before me this 22nd day of September, 2010

Lisa M. Wood, Notary Public



County of Middlesex)

ss.

Name: Qun Zhou

Address: 15 Harris Lane

Ashland, MA 01721

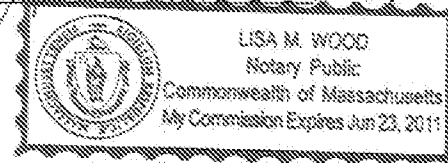
State of Massachusetts)

By: [Signature]

Date: 9-22-10

Subscribed and sworn to before me this 22nd day of September, 2010

Lisa M. Wood, Notary Public



County of Middlesex)

ss.

Name: Yunxiang Zhu

Address: 10 Caulfield Road

Wayland, MA 01778

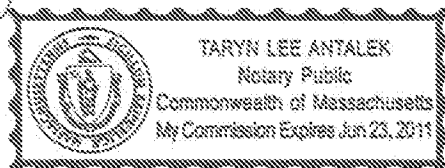
State of Massachusetts)

By: [Signature]

Date: 9-22-10

Subscribed and sworn to before me this 28th day of September, 2010

Taryn Lee Antalek, Notary Public



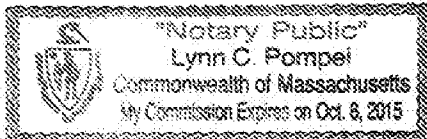
County of Middlesex)
)
State of Massachusetts)

ss.

Name: Paul A. Konowicz
Address: 6 Tremont Street
Maynard MA 01754-1251
By: Paul Konowicz
Date: 15 Oct 2010

Subscribed and sworn to before me this 15th day of October, 2010

Lynn C. Pompei, Notary Public



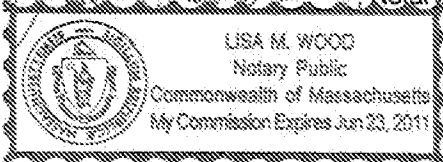
County of Middlesex)
)
State of Massachusetts)

ss.

Name: Joseph P. Kutzko
Address: 15 Newton Street
Southborough, MA 01772
By: Joseph P. Kutzko
Date: 9/22/10

Subscribed and sworn to before me this 22nd day of September, 2010

Lisa M. Wood, Notary Public



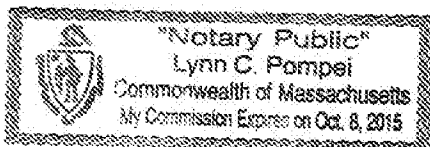
County of Middlesex)
)
State of MASSACHUSETTS)

ss.

Name: Michael R. Reardon
Address: 77 Arnold Road
North Attleboro, MA 02760
By: Michael R. Reardon
Date: 10/28/10

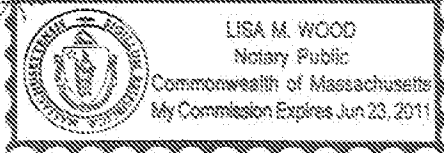
Subscribed and sworn to before me this 8th day of October, 2010

Lynn C. Pompei, Notary Public



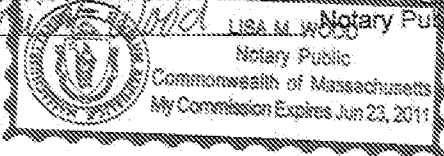
County of Middlesex)
)
) ss. Name: James E. Stefano
) Address: 199 Saddlehill Road
) Hopkinton MA 01701
State of Massachusetts)
) By: [Signature]
) Date: 9/22/10

Subscribed and sworn to before me this 22nd day of September, 2010
[Signature] Notary Public



County of Middlesex)
)
) ss. Name: Xiaoyang Zheng
) Address: 18 Murray Terrace
) Newton, MA 02465
State of Massachusetts)
) By: [Signature]
) Date: 09/22/2010

Subscribed and sworn to before me this 22nd day of September, 2010
[Signature] Notary Public



Witness: _____
Witness: _____

Name: Duncan E. Paterson
Address: Ruedi-Walter-Strasse 2A
8050 Zürich, Switzerland

By: _____
Date: _____

Witness: _____
Witness: _____

Name: Andreas Peer
Address: Gempenstrasse 18
CH-4053 Basel, Switzerland

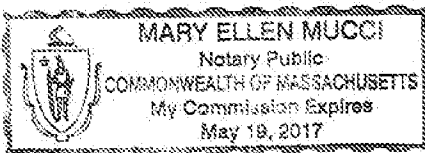
By: _____
Date: _____

ACKNOWLEDGEMENT OF ASSIGNEE:

I hereby acknowledge the foregoing executed Assignment on behalf of Genzyme Corporation.

By: [Signature] Date: 10/20/2010
Name:
Title:

Subscribed and sworn to before me this 20th day of October, 2010
Mary Ellen Mucci Notary Public



ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)) have made an invention entitled:

OLIGOSACCHARIDE-PROTEIN CONJUGATES

identified as International Patent Application No. PCT/US2009/067775, filed December 11, 2009, which claims priority to U.S. provisional patent application No. 61/122,851, filed December 16, 2008; and

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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, 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 on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, 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 Commissioner of Patents and Trademarks of the United States 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.

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

Subscribed and sworn to before me this _____ day of _____, 2010
_____, Notary Public

Subscribed and sworn to before me this _____ day of _____, 2010
_____, Notary Public

Subscribed and sworn to before me this _____ day of _____, 2010
_____, Notary Public

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 07680.0070-00304

County of _____)
 _____)
 _____)
 State of _____)

ss. Name: John Harrahy
 Address: 8 Autumn Road
Medway, MA 02053

By: _____
 Date: _____

Subscribed and sworn to before me this _____ day of _____, 2010
_____, Notary Public

County of _____ } Name: Qun Zhou
 } ss. Address: 15 Harris Lane
 } Ashland, MA 01721
State of _____) By: _____
) Date: _____

Subscribed and sworn to before me this _____ day of _____, 2010
_____, Notary Public

County of _____)
)
) ss. Name: Yunxiang Zhu
) Address: 10 Caulfield Road
) Wayland, MA 01778
 State of _____)
)
) By: _____
) Date: _____

Subscribed and sworn to before me this _____ day of _____, 2010
_____, Notary Public

Attorney Docket No. 07680.0070-00304

County of _____)
)
) ss. Name: Paul A. Konowicz
) Address: 6 Tremont Street
) Maynard MA 01754-1251
 State of _____)
) By: _____
) Date: _____

Subscribed and sworn to before me this _____ day of _____, 2010
_____, Notary Public

County of _____)
)
) ss. Name: Joseph P. Kutzko
) Address: 15 Newton Street
) Southborough, MA 01772
 State of _____)
) By: _____
) Date: _____

Subscribed and sworn to before me this _____ day of _____, 2010
_____, Notary Public

County of _____)
 _____) ss. Name: Michael R. Reardon
 _____) Address: 77 Arnold Road
 _____) North Attleboro, MA 02760
 State of _____) By: _____
 _____) Date: _____

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SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 07680.0070-00304

County of _____)
)
) ss. Name: James E. Stefano
) Address: 199 Saddlehill Road
) Hopkinton MA 01701
 State of _____)
) By: _____
) Date: _____

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_____, Notary Public

County of _____)
)
) ss. Name: Xiaoyang Zheng
) Address: 18 Murray Terrace
) Newton, MA 02465
 State of _____)
) By: _____
) Date: _____

Subscribed and sworn to before me this _____ day of _____, 2010
_____, Notary Public

Witness: G. Helfmiller
Witness: [Signature]

Name: Duncan E. Paterson
Address: Ruedi-Walter-Strasse 2A
8050 Zürich, Switzerland

By: DEA
Date: October 6, 2010

Witness: G. Kizman
Witness: [Signature]

Name: Andreas Peer
Address: Gempenstrasse 18
CH-4053 Basel, Switzerland

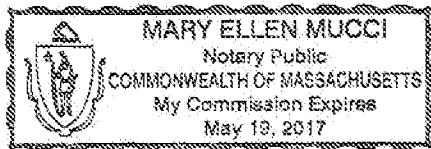
By: [Signature] Rec
Date: October 6, 2010

ACKNOWLEDGEMENT OF ASSIGNEE:

I hereby acknowledge the foregoing executed Assignment on behalf of Genzyme Corporation.

By: [Signature] Date: 10/20/2010
Name:
Title:

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Mary Ellen Mucci Notary Public



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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.

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

County of Rockingham)
ss. Name: Lauren Young
Address: 210 Landing Road
Hampton, NH 03842
State of New Hampshire)
By: Lauren P. Young
Date: 6/24/11

On this 24th day of June, 2011, before me, the undersigned notary public, personally appeared Lauren Young, and proved to me through satisfactory evidence of identification, which were Valid NH License, to be the person whose name is signed on the attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Cynthia Kelley Notary Public
CYNTHIA KELLEY, Notary Public
My Commission Expires December 20, 2015

ACKNOWLEDGEMENT OF ASSIGNEE:

I hereby acknowledge the foregoing executed Assignment on behalf of Genzyme Corporation.

By: Lauren P. Young Date: 6/24/11
Name: Lauren E. Young
Title: N/A

On this 24th day of June, 2011, before me, the undersigned notary public, personally appeared Lauren Young, and proved to me through satisfactory evidence of identification, which were Valid NH License, to be the person whose name is signed on the attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Cynthia Kelley
Notary Public
CYNTHIA KELLEY, Notary Public
My Commission Expires December 20, 2015