

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| HUAWEI QIU | 07/26/2017 |
| JAMES STEFANO | 07/19/2017 |
| SUNGHAE PARK | 07/13/2017 |
| 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: | 15875125 |
| CORRESPONDENCE DATA | |
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| ATTORNEY DOCKET NUMBER: | US2017/004-US-NP |
| NAME OF SUBMITTER: | MARIJKE ABBES |
| SIGNATURE: | /marijke abbes/ |
| DATE SIGNED: | 03/15/2018 |
| Total Attachments: 5 | |
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| source=Assignment#page4.tif | |

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, the undersigned joint Inventors, each individually assign to *Genzyme Corporation, 500 Kendall Street, Cambridge, Massachusetts 02142, USA*, a corporation formed under the laws of *the Commonwealth of Massachusetts*, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint rights, titles, and interests throughout the world in the subject matter (the "Subject Matter") disclosed or claimed in a patent application that names us as inventors, is titled "MODIFIED ANTIBODIES", and was filed in the following Patent Office(s)

USPTO on January 20, 2017, as US Provisional Application No. 62/448,763
(the "Application(s)").

This Assignment, effective as of January 20, 2017 assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

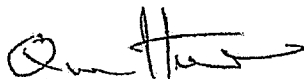
We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Signed at Framingham, MA, USA, on this 26 day of July, 2017.
(City, State and Nation)

Signature:




Inventor's Name:

Huawei Qiu

Mailing Address:

c/o Genzyme Corporation
500 Kendall Street
Cambridge, Massachusetts 02142

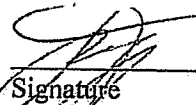
Witnessed by:



Signature

QUN ZHOU

Printed Name



Signature

Ekaterina Boudanova

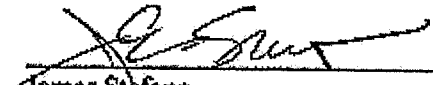
Printed Name

Signed at Framingham MA, USA on this 19th day of July, 2017.
(City, State and Nation)

Signature:

Inventor's Name:

Mailing Address:


James Stefano

c/o Genzyme Corporation

500 Kendall Street

Cambridge, Massachusetts 02142

Witnessed by:



Signature

Lihui Hou

Printed Name



Signature

Marguerite Joly

Printed Name

Signed at Frammingham, MA, USA on this 13th day of July, 2017.
(City, State and Nation)

Signature:

Inventor's Name:

Mailing Address:


~~Sung-Hae Park~~ - Sunghae Park

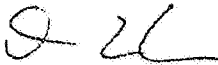
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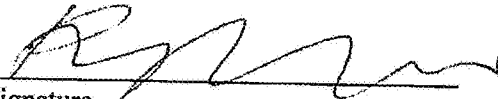
Witnessed by:



Signature

QUN ZHOU

Printed Name



Signature

RONNIE WEI

Printed Name

ASSIGNMENT OF RIGHTS ACCEPTED BY Genzyme Corporation

Signed at Cambridge MA, USA on this 7th day of August, 2017.
(City, State and Nation)

By: Nicole L.M. Parsons
Nicole L.M. Parsons
Attorney-in-Fact