

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OZLEM TURECI	01/08/2015
STEFAN WOLL	01/29/2015
RITA MITNACHT-KRAUS	12/23/2014
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<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	55131
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16037759
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<b>NAME OF SUBMITTER:</b>	KEVIN A. O'CONNOR
<b>SIGNATURE:</b>	/Kevin A. O'Connor/
<b>DATE SIGNED:</b>	07/18/2018
<b>Total Attachments: 5</b>	
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PATENT ASSIGNMENT

Attorney Case Number: 28480US01

U.S. Serial Number: 14/397,244

WHEREAS, we, Özlem Türeci, Stefan Wöll, and Rita Mitnacht-Kraus (collectively referred to hereinafter as the "Assignors") have made new and useful inventions and improvements disclosed in a United States patent application entitled "Antibodies Useful in Cancer Diagnosis" and identified as Case No. 28480US01, in the offices of McANDREWS, HELD & MALLOY, LTD., filed on October 27, 2014, in the United States Patent and Trademark Office as Serial No. 14/397,244 which is the national stage entry of International Patent Application No. PCT/EP2013/001331 filed on May 6, 2013 and claiming priority to PCT/EP2012/001991 filed on May 9, 2012 (collectively referred to hereinafter as the "Applications").

WHEREAS, Ganymed Pharmaceuticals AG, An der Goldgrube 12, Mainz Germany, 55131 (referred to hereinafter as the "Assignee") is desirous of acquiring the title, rights, and privileges hereinafter recited.

NOW, THEREFORE, in exchange for good and valuable consideration in hand paid, the receipt, adequacy, and sufficiency of which are hereby acknowledged, the Assignors hereby assign to the Assignee, its successors and assigns, the entire right, title and interest in and to said Applications and the inventions and improvements disclosed therein, and in any and all other (provisional or non-provisional) applications, both United States and foreign, based thereon or that claim priority thereto, including any continuation, continuation-in-part, or divisional application that the Assignors may file, either solely or jointly with others, and in any and all Letters Patent of the United States and foreign countries that may be obtained on any of said Applications, and in any reexamination, renewal, substitution, reissue or extension of such applications or patents, and every priority right that is or may be predicated upon or arise from said inventions, improvements, applications, and Letters Patent.

The Assignors hereby authorize the Assignee, its successors and assigns, to file patent applications in any or all countries for any or all of said inventions and improvements in our name or in the name of the Assignee, its successors and assigns, or otherwise as said Assignee, its successors and assigns, may deem advisable, under the International Convention or otherwise. The Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee, its successors and assigns.

The Assignors warrant to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this Assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

The Assignors hereby agree, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, extension, renewal, and substitute applications for said invention or


improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, reexamination, or extension of any Letters Patent that may be granted upon said Applications, that said Assignee, its successors or assigns may deem necessary or expedient; and to cooperate to the best of the ability of the Assignors with said Assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all acts necessary to obtain said Letters Patent in the United States and foreign countries, and vest all rights therein hereby conveyed in the Assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said Assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the Assignors if this Assignment had not been made.

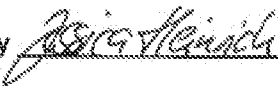
This Assignment shall be binding upon and shall inure to the benefit of the Assignee and Assignors and their respective successors and assigns.

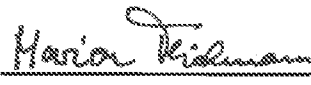
This Assignment may be executed in one or more counterparts, all of which shall be considered one and the same Assignment. The signatures from each counterpart may be combined with a copy of the Assignment to constitute the entire Assignment.

[SIGNATURE PAGE FOLLOWS]


EXECUTED this 08<sup>th</sup> day of January, 2015

  
Ozlem Tureci,

WITNESSED by  this 08 day of Jan, 2015

WITNESSED by  this 08 day of January, 2015

EXECUTED this 29 day of May, 2015



Stefan Wöll

WITNESSED by Antje - C. Wölz this 29<sup>th</sup> day of Jan., 2015

WITNESSED by Josef Heinrich this 29 day of May, 2015

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ATTORNEY DOCKET NO. Z8480US01

EXECUTED this 23 day of Dec, 2014.

  
Rita Mitnacht-Kraus

WITNESSED by Jessica Hennig this 23 day of Dec., 2014.

WITNESSED by Anke-C. Weber this 23<sup>rd</sup> day of December, 2014.