

## 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	12/12/2006
UGUR SAHIN	12/12/2006
MICHAEL KOSLOWSKI	12/13/2006
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GANYMED PHARMACEUTICALS AG
<b>Street Address:</b>	FREILIGRATHSTRASSE 12
<b>City:</b>	MAINZ
<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>	14676254
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	24859US02
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER P. SINGER
<b>SIGNATURE:</b>	/CHRISTOPHER P. SINGER/
<b>DATE SIGNED:</b>	08/23/2017
<b>Total Attachments: 3</b>	
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source=24859US02_Assignment_1_EXECUTED#page2.tif	
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## ASSIGNMENT

WHEREAS we, **Ozlem Tureci**, being a citizen of Germany and residing at Philipp-von-Zabern-Platz 1, Mainz, Germany 55116; **Ugur Sahin**, being a citizen of Turkey and residing at Philipp-von-Zabern-Platz 1, Mainz, Germany 55116; **Michael Koslowski**, being a citizen of Germany and residing at Kaiserstrasse 72, Mainz, Germany 55116, are inventors of certain new and useful inventions and discoveries, for which we have made an application for Letters Patent entitled **GENETIC PRODUCTS DIFFERENTIALLY EXPRESSED IN TUMORS AND THE USE THEREOF**, which application was filed in the United States Patent and Trademark Office on November 16, 2006, and assigned Serial No. 11/596,649; and

WHEREAS Ganymed Pharmaceuticals AG, a corporation existing under the laws of Germany, whose address is Freiligrathstrasse 12, Mainz Germany 55131, which together with its successors and assigns is hereinafter called "ASSIGNEE," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW THEREFORE, for and in consideration of good and valuable consideration furnished by ASSIGNEE to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer and convey to ASSIGNEE the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon, or arise from, said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under International Conventions or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments throughout the world to issue or transfer all said Letters Patent to ASSIGNEE as ASSIGNEE of the entire right, title and interest therein or otherwise as ASSIGNEE may direct;
4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same, or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to ASSIGNEE without encumbrance;
5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patents shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns as if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications and oaths, and all assignments, disclaimers and lawful affidavits in form and substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to me relating to said inventions and discoveries or the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my

conceptions, disclosures, and reduction to practice of said invention and discoveries.

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals.

Date: 2006-12-12

Witnessed: [Signature]

Date: 2006-12-12

Witnessed: [Signature]

Date: 2006-12-13

Witnessed: 22. Bot

[Signature]  
Ozlem Tureci

Witnessed: [Signature]

[Signature]  
Ugur Sahin

Witnessed: [Signature]

[Signature]  
Michael Koslowski

Witnessed: [Signature]