

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Christina Yamada</td> <td>12/05/2007</td> </tr> <tr> <td>Anastasia Khvorova</td> <td>12/19/2007</td> </tr> <tr> <td>Robert Kaiser</td> <td>12/05/2007</td> </tr> <tr> <td>Emily Anderson</td> <td>12/10/2007</td> </tr> <tr> <td>Devin Leake</td> <td>12/05/2007</td> </tr> </tbody> </table>		Name	Execution Date	Christina Yamada	12/05/2007	Anastasia Khvorova	12/19/2007	Robert Kaiser	12/05/2007	Emily Anderson	12/10/2007	Devin Leake	12/05/2007
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<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	Dharmacon, Inc.												
<b>Street Address:</b>	2650 Crescent Drive												
<b>Internal Address:</b>	Suite 100												
<b>City:</b>	Lafayette												
<b>State/Country:</b>	COLORADO												
<b>Postal Code:</b>	80026												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11858829</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11858829								
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<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(720)904-6114												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	303-572-6500												
<b>Email:</b>	hirds@gtlaw.com												
<b>Correspondent Name:</b>	GREENBERG TRAUIG, LLP												
<b>Address Line 1:</b>	1200 SEVENTEENTH STREET, SUITE 2400												
<b>Address Line 4:</b>	DENVER, COLORADO 80202												
<b>ATTORNEY DOCKET NUMBER:</b>	103201-010600												
<b>NAME OF SUBMITTER:</b>	Steven N. Hird												

**CH \$40.00 11858829**

**Total Attachments: 4**

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**ASSIGNMENT  
& APPOINTMENT OF COMMON REPRESENTATIVE**

WHEREAS, we, **Christina Yamada** of 3640 Aspen Court, Boulder, CO 80404; **Anastasia Khvorova** of 4450 Squires, Boulder, CO 80305; **Rob Kaiser** of 13895 Teal Creek Drive, Broomfield, CO 80020; **Emily Anderson** of 1035 B Milo Circle, Lafayette, CO 80026; and **Devin Leake** of 2631 Clinton Way, Denver, CO 80238; have invented a certain new and useful invention entitled "**DUPLEX OLIGONUCLEOTIDE COMPLEXES AND METHODS FOR GENE SILENCING BY RNA INTERFERENCE**" for which a patent application has been prepared and filed with the U.S. Patent & Trademark Office on **September 20, 2007**, receiving Serial No. **11/858,829**, and further identified as Attorney File No. **103201-010600**;

NOW THEREFORE, be it known that we, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, **Dharmacon, Inc.**, a **Colorado** corporation having a place of business at **2650 Crescent Drive Suite 100, Lafayette, CO 80026**, its successors, legal representatives and assigns, the aforesaid application and all rights to claim priority directly or indirectly to the aforesaid application and all continuation, divisional, continuation-in-part and reissue applications, all patent applications that claim priority directly or indirectly to the aforesaid application, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty and all applications for extension filed or to be filed for the invention(s), and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention(s) in the United States or any other country; we also assign any right, title or interest in and to the invention(s) that has not already been transferred to the assignee; we warrant that no assignment of the invention(s), application or patent therefor has been made to a party other than **Dharmacon, Inc.**; we warrant that there is no obligation to make any assignment of the invention(s), application, or any patent therefor to any party other than **Dharmacon, Inc.**; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention(s), but at the expense of said assignee.

The Commissioner For Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment to **Dharmacon, Inc.**, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

Furthermore, we hereby irrevocably appoint **Dharmacon, Inc.**, its successors, legal representatives and assigns, as common representative for any and all international patent applications filed pursuant to the Patent Cooperation Treaty, and all national phase applications derived therefrom, concerning the invention(s) or claiming priority from the aforesaid application.

IN WITNESS WHEREOF, the party hereto has executed this Assignment & Appointment of Common Representative as of the date indicated hereunder.

Date:

12/05/07

By:

  
**Christina Yamada**

Date: 12/19/07

By: Anastasia Khvorova  
Anastasia Khvorova

Date: 5 December 2007

By: Robert Kaiser  
Rob Kaiser

Date: 12/10/07

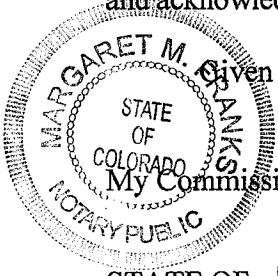
By: Emily Anderson  
Emily Anderson

Date: 12/05/07

By: Devin Leake  
Devin Leake

STATE OF Colorado )  
COUNTY OF Boulder ) ss.

Before me, a Notary Public in and for said County and State, personally appeared **Christina Yamada**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.



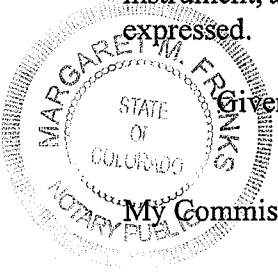
Given under my hand and seal of office this 5 day of December, 2007.

My Commission Expires: 3/5/2011

Margaret M. Franks  
Notary Public

STATE OF Colorado )  
COUNTY OF Boulder ) ss.

Before me, a Notary Public in and for said County and State, personally appeared **Anastasia Khvorova**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.



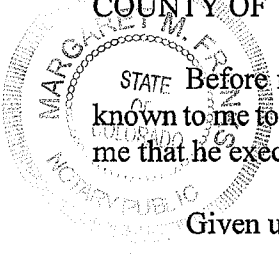
Given under my hand and seal of office this 19<sup>th</sup> day of December, 2007.

My Commission Expires: 3/5/2011

Margaret M. Franks  
Notary Public

STATE OF Colorado )  
COUNTY OF Boulder ) ss.

Before me, a Notary Public in and for said County and State, personally appeared **Rob Kaiser**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.



Given under my hand and seal of office this 5<sup>th</sup> day of December, 2007.

My Commission Expires: 3/5/2011

Margaret M. Franks  
Notary Public

STATE OF COLORADO )  
 ) ss.  
COUNTY OF BOULDER )

Before me, a Notary Public in and for said County and State, personally appeared **Emily Anderson**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 10<sup>th</sup> day of December, 2007.

My Commission Expires: 10/03/09

Darcie L. Nichelson  
Notary Public

STATE OF COLORADO )  
 ) ss.  
COUNTY OF BOULDER )

DARCIE L. NICHELSON  
NOTARY PUBLIC  
STATE OF COLORADO  
My Commission Expires 10/03/09

Before me, a Notary Public in and for said County and State, personally appeared **Devin Leake**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 5<sup>th</sup> day of December, 2007.

My Commission Expires: 10/03/09

Darcie L. Nichelson  
Notary Public

DARCIE L. NICHELSON  
NOTARY PUBLIC  
STATE OF COLORADO  
My Commission Expires 10/03/09