

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Anastasia KHVOROVA</td><td>01/07/2008</td></tr><tr><td>Angela REYNOLDS</td><td>01/14/2008</td></tr><tr><td>Devin LEAKE</td><td>01/02/2008</td></tr><tr><td>William MARSHALL</td><td>01/09/2008</td></tr><tr><td>Steven READ</td><td>01/10/2008</td></tr><tr><td>Stephen SCARINGE</td><td>01/11/2008</td></tr></tbody></table>	Name	Execution Date	Anastasia KHVOROVA	01/07/2008	Angela REYNOLDS	01/14/2008	Devin LEAKE	01/02/2008	William MARSHALL	01/09/2008	Steven READ	01/10/2008	Stephen SCARINGE	01/11/2008	
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Steven READ	01/10/2008														
Stephen SCARINGE	01/11/2008														
RECEIVING PARTY DATA															
Name:	DHARMACON, INC.														
Street Address:	2650 Crescent Drive, Ste. 100														
City:	Lafayette														
State/Country:	COLORADO														
Postal Code:	80026														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11978476</td></tr></tbody></table>	Property Type	Number	Application Number:	11978476											
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CORRESPONDENCE DATA															
Fax Number: (212)813-9600															
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	DHARMA 2100-US88														

CH \$40.00 11978476

500450452

PATENT  
REEL: 020428 FRAME: 0616

NAME OF SUBMITTER:

Scott D. Locke

**Total Attachments: 8**

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**PATENT**

**REEL: 020428 FRAME: 0617**

## ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt and sufficiency of which is hereby acknowledged, I (we), the undersigned, **Anastasia KHVOROVA**, residing at 4550 Squires Circle, Boulder, CO, 80305, United States; **Angela REYNOLDS**, residing at 11445 Conifer Ridge Drive, Conifer, CO, 80433, United States; **Devin LEAKE**, residing at 3050 S. Krameria St., Denver, CO, 80222, United States; **William MARSHALL**, residing at 495 Mohawk Drive, Boulder, CO, 80303, United States; **Steven READ**, residing at 1090 Cherokee Street #304, Denver, CO, 80204, USA; **Stephen SCARINGE**, residing at 2746 Prairie Ridge, Lafayette, CO, 80026, United States;

**Hereby** sell, assign and transfer to **DHARMACON, INC.**, having a place of business at, 2650 Crescent Drive, Suite 100, Lafayette, CO 80026, United States, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions that are disclosed and claimed, and any and all inventions that are disclosed but not claimed, in the applications for United States Patent that are identified on the attached **Schedule A** and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries that have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents that have been or shall be issued on said inventions;

**Authorize** and request the Director of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions disclosed in said application;

**Agree** that said Assignee may apply for and receive foreign Letters Patents or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and

all foreign countries execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successor, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible that said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

**Covenant** with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

ASSIGNOR

Anastasia KHVOROVA

Date: 1.7.08.

By:   
Signature

Witness  
Signature: 

Print Name: Elena Levertova

Date: 01-07-2008

Address: 1211 Amherst Way  
Superior, CO 80027

Witness  
Signature: 

Print Name: Vadim Levertov

Date: 1-7-8

Address: 1211 Amherst Way  
Superior CO 80027

Angela REYNOLDS

Date: 1-14-08

By: Angela R Reynolds  
Signature

Witness

Signature: Mary Lowe

Print Name: MARY LOWE

Date: 1-14-08

Address: 9741 So. Poppy  
Sandy Ut  
84094

Witness

Signature: Andrea A. Blanch

Print Name: Andrea A. Blanch

Date: 1-14-08

Address: 6768 W. Haven Maple Dr.  
West Jordan, UT 84084

Devin LEAKE

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Signature

Witness

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
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Witness

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_  
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Angela REYNOLDS

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Signature

Witness

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Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

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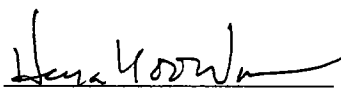
Devin LEAKE

Date: 01/02/08

By:   
Signature

Witness

Witness

Signature: 

Signature: 

Print Name: Heeja Yoo-Warren

Print Name: Alex Amiet

Date: 01/02/2008

Date: 01/02/08

Address: 1095 Utica Ave  
Boulder, CO 80304  
\_\_\_\_\_

Address: 2758 Canossa Dr  
Broomfield CO  
80020  
\_\_\_\_\_

William MARSHALL

Date: 1/9/08

By: William Marshall  
Signature

Witness

Signature: Darlene Nicholson

Print Name: DARLENE NICHOLSON

Date: 1-9-08

Address: 13910 W. 73rd Ave  
Arvada CO 80005

Witness

Signature: Peggy Franks

Print Name: Peggy Franks

Date: 1-9-2008

Address: 1368 S. Dusk Dr.  
Milliken, CO  
80543

Steven READ

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Signature

Witness

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_  
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Witness

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

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William MARSHALL

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Signature

Witness

Witness

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Print Name: \_\_\_\_\_

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Address: \_\_\_\_\_  
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Steven READ

Date: 1/10/08

By: Steven Read  
Signature

Witness

Witness

Signature: [Signature]

Signature: Ellen Book

Print Name: Anna Friday

Print Name: ELLEN BOOK

Date: 1/10/2008

Date: 1/10/08

Address: 2530 Dartmouth Ave  
Boulder, CO 80305  
\_\_\_\_\_

Address: 9630 W. 105<sup>th</sup> AVE.  
WESTMINSTER, CO  
80021  
\_\_\_\_\_



Stephen SCARINGE

Date: 1/11/2008

By: Stephen Scaringe  
Signature

Witness

Signature: [Signature]

Print Name: Heggie Franks

Date: 1-11-08

Address: 1368 S. Dusk Dr.  
Milliken, CO  
80543

Witness

Signature: [Signature]

Print Name: Heeja Yoo-Warren

Date: 1-11-2008

Address: 1095 Utica Ave  
Boulder, CO 80504

**Schedule A**

<u>Attorney Docket No./ Application Serial No.</u>	<u>Title</u>
Dharma 2100-US86 11/978,457	siRNA Targeting Beta Secretase (BACE)
Dharma 2100-US87 11/978,518	siRNA Targeting Superoxide Dismutase 1 (SOD1)
Dharma 2100-US88 11/978,476	siRNA Targeting Amyloid Beta (A4) Precursor Protein (APP)
Dharma 2100-US89 11/978,455	siRNA Targeting Apolipoprotein B (APOB)
Dharma 2100-US90 11/978,475	siRNA Targeting Glucagon Receptor (GCGR)
Dharma 2100-US91 11/978,398	siRNA Targeting Diacylglycerol O-acyltransferase Homolog 2 (DGAT2)
Dharma 2100-US92 11/978,487	siRNA Targeting Fructose-1,6-bisphosphatase 1 (FBP1)
Dharma 2100-US93 11/980,300	siRNA Targeting Interleukin-1 Receptor-associated Kinase 4 (IRAK4)
Dharma 2100-US94 11/980,102	siRNA Targeting Myeloid Differentiation Primary Response Gene (88) (MYD88)
Dharma 2100-US95 11/978,900	siRNA Targeting Cyclin-dependent Kinase Inhibitor 1B (p27,Kip1) (CDKN1B)
Dharma 2100-US96 11/980,210	siRNA Targeting Catenin, Beta-1 (CTNNB1)
Dharma 2100-US97 11/980,263	siRNA Targeting Proto-oncogene MET