

PATENT ASSIGNMENT

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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>ELENA FEINSTEIN</td> <td>03/07/2012</td> </tr> <tr> <td>SVETLANA ADAMSKY</td> <td>03/04/2012</td> </tr> <tr> <td>SHARON AVKIN-NACHUM</td> <td>03/04/2012</td> </tr> <tr> <td>HAGAR KALINSKI</td> <td>03/07/2012</td> </tr> <tr> <td>IGOR METT</td> <td>03/04/2012</td> </tr> </tbody> </table>		Name	Execution Date	ELENA FEINSTEIN	03/07/2012	SVETLANA ADAMSKY	03/04/2012	SHARON AVKIN-NACHUM	03/04/2012	HAGAR KALINSKI	03/07/2012	IGOR METT	03/04/2012
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HAGAR KALINSKI	03/07/2012												
IGOR METT	03/04/2012												
RECEIVING PARTY DATA													
Name:	QUARK PHARMACEUTICALS, INC.												
Street Address:	6501 DUMBARTON CIRCLE												
City:	FREMONT												
State/Country:	CALIFORNIA												
Postal Code:	94555												
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>14002901</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14002901								
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Application Number:	14002901												
CORRESPONDENCE DATA													
Fax Number:	(858)683-0390												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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ATTORNEY DOCKET NUMBER:	QUARK-0006-US												
NAME OF SUBMITTER:	KRISTEN LEMME												

OP \$40.00 14002901

Signature:	/Kristen Lemme/
Date:	10/03/2013
Total Attachments: 3 source=QUARK0006US_Assignment#page1.tif source=QUARK0006US_Assignment#page2.tif source=QUARK0006US_Assignment#page3.tif	

Assignment of Application

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

Elena FEINSTEIN, residing at 13/55 HaCarmel Street, Rehovot 76305, Israel
Svetlana ADAMSKY, residing at 4 Hartsit Road, Gedera 70700, Israel
Sharon AVKIN-NACHUM, residing at 4 Hakramim Street, Nes Zionna 74054, Israel
Hagar KALINSKI, residing at 1 Haim Landau Street, Rishon-le-Zion 75701, Israel
Igor METT, residing at 9/1 Paldi Street, Rehovot 76248, Israel

Hereby sell, assign and transfer to Quark Pharmaceuticals, Inc., a corporation of the State of California, having a place of business at 6501 Dumbarton Circle, Fremont, in the County of Alameda and State of California, its successors, assignees and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, in the PCT International application, which is entitled

OLIGONUCLEOTIDE MODULATORS OF THE TOLL-LIKE RECEPTOR PATHWAY
(PCT International Patent Application No. PCT/US12/27174, filed 01-March-2012)

and in and to said application and all applications for patents in any and all countries, including the United States of America, including divisional, continuation, continuation in part, substitute, renewal, reissue; re-examination or extension thereof, and all other applications for international or U.S. Letters Patent or other related property rights in any and all countries which 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 documents which have been or shall be issued on said inventions;

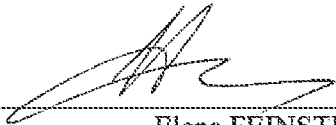
Authorize and request the Commissioner for Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in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

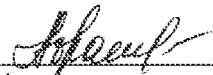
Agree that said Assignee may apply for and receive Patents or rights of any other kind for said inventions, or any of them in any and all countries, including the United States of America; and may claim, in applications for said Patents or other rights, the benefit of the aforesaid PCT patent application 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 applications for Patents, including any including divisional, continuation, continuation in part, substitute, renewal, reissue, re-examination or extension, 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 successors, 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 which 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 rights and all patents on said inventions in any and all

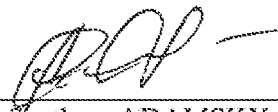
countries, including the United States of America, in said Assignee, its successors, assigns and legal representatives; and

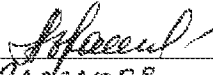
Agree to cooperate with said Assignee in any and all prosecution, litigation and/or re-examination regarding the invention, patent or applications for patents regarding the invention, including testifying for the benefit of said Assignee without further or additional compensation other than that provided in this Assignment.

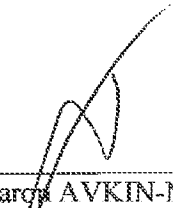
Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed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

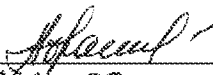
Date: MARCH 07 2012  [L.S.]
Elena FEINSTEIN

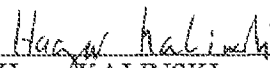
Witness:  [signature]
A. ABRAMOFF [printed name]
8/3 SHABAZI ST., [address]
ASHDOD, ISRAEL

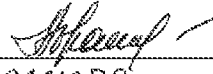
Date: MARCH 04 2012  [L.S.]
Svetlana ADAMSKY

Witness:  [signature]
A. ABRAMOFF [printed name]
8/3 SHABAZI ST., [address]
ASHDOD, ISRAEL

Date: MARCH 04 2012  [L.S.]
Sharon AVKIN-NACHUM

Witness:  [signature]
A. ABRAMOFF [printed name]
8/3 SHABAZI ST., [address]
ASHDOD, ISRAEL

Date: MARCH 07 2012  [L.S.]
Hagar KALINSKI


Witness:  [signature]
A. ABRAMOFF [printed name]
8/3 SHABAZI ST., [address]
ASHDOD, ISRAEL

Date: MARCH 04 2012



[L.S.]

Igor METT

Witness:  [signature]

A. ABANZER [printed name]

8/3 SHARAZI ST. [address]

ASHOOD, ISRAEL