

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5225994

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
OXFORD FINANCE LLC	11/05/2018
RECEIVING PARTY DATA	
Name:	REGULUS THERAPEUTICS INC.
Street Address:	10614 SCIENCE CENTER DR.
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 16	
Property Type	Number
Application Number:	14111976
Application Number:	14444406
Application Number:	14883055
Application Number:	15704749
Application Number:	13869177
Application Number:	14597676
Application Number:	14995432
Application Number:	15441590
Application Number:	15954159
Application Number:	14048827
Application Number:	14677387
Application Number:	15151290
Application Number:	15606554
Application Number:	15948450
Application Number:	15029535
Application Number:	15976060
CORRESPONDENCE DATA	
Fax Number:	(678)553-2602
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.	

PATENT

Phone: (678) 553-2601
Email: jimmarl@gtlaw.com
Correspondent Name: LASHANA C. JIMMAR, PARALEGAL
Address Line 1: GREENBERG TRAURIG, LLP
Address Line 2: 3333 PIEDMONT ROAD, NE, SUITE 2500
Address Line 4: ATLANTA, GEORGIA 30305

ATTORNEY DOCKET NUMBER:	138179.015200
NAME OF SUBMITTER:	LASHANA C. JIMMAR
SIGNATURE:	/LaShana C. Jimmar/
DATE SIGNED:	11/07/2018

Total Attachments: 26

source=Sanofi - Oxford MiR-21 IP Release#page1.tif
source=Sanofi - Oxford MiR-21 IP Release#page2.tif
source=Sanofi - Oxford MiR-21 IP Release#page3.tif
source=Sanofi - Oxford MiR-21 IP Release#page4.tif
source=Sanofi - Oxford MiR-21 IP Release#page5.tif
source=Sanofi - Oxford MiR-21 IP Release#page6.tif
source=Sanofi - Oxford MiR-21 IP Release#page7.tif
source=Sanofi - Oxford MiR-21 IP Release#page8.tif
source=Sanofi - Oxford MiR-21 IP Release#page9.tif
source=Sanofi - Oxford MiR-21 IP Release#page10.tif
source=Sanofi - Oxford MiR-21 IP Release#page11.tif
source=Sanofi - Oxford MiR-21 IP Release#page12.tif
source=Sanofi - Oxford MiR-21 IP Release#page13.tif
source=Sanofi - Oxford MiR-21 IP Release#page14.tif
source=Sanofi - Oxford MiR-21 IP Release#page15.tif
source=Sanofi - Oxford MiR-21 IP Release#page16.tif
source=Sanofi - Oxford MiR-21 IP Release#page17.tif
source=Sanofi - Oxford MiR-21 IP Release#page18.tif
source=Sanofi - Oxford MiR-21 IP Release#page19.tif
source=Sanofi - Oxford MiR-21 IP Release#page20.tif
source=Sanofi - Oxford MiR-21 IP Release#page21.tif
source=Sanofi - Oxford MiR-21 IP Release#page22.tif
source=Sanofi - Oxford MiR-21 IP Release#page23.tif
source=Sanofi - Oxford MiR-21 IP Release#page24.tif
source=Sanofi - Oxford MiR-21 IP Release#page25.tif
source=Sanofi - Oxford MiR-21 IP Release#page26.tif

**RELEASE OF SECURITY INTEREST IN
INTELLECTUAL PROPERTY COLLATERAL**

This RELEASE OF SECURITY INTEREST IN PATENTS (this "Release"), dated as of November 5, 2018 (the "Effective Date"), is made by OXFORD FINANCE LLC, a Delaware limited liability company, in its capacity as both collateral agent and lender ("Oxford").

WHEREAS, on February 4, 2014, SANOFI, a French corporation ("Sanofi") and Regulus Therapeutics Inc., a Delaware corporation ("Regulus"), entered into that Second Amended and Restated Collaboration and License Agreement (as amended, restated, supplemented or otherwise modified from time to time, the "License Agreement"), pursuant to which, among other things, Regulus granted to Sanofi licenses to certain intellectual property rights that are owned or controlled by, or licensed to, Regulus (the "Mir-21 Intellectual Property");

WHEREAS, pursuant to the terms of that certain Loan and Security Agreement, dated as of June 17, 2016 (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), between Regulus, as borrower, and Oxford, in its capacity as lender and collateral agent, Oxford agreed to provide certain term loans to Regulus upon the terms and subject to the conditions set forth therein;

WHEREAS, pursuant to the Credit Agreement, Regulus granted to Oxford, for the benefit of the Lenders (as defined in the Credit Agreement), a security interest in substantially all the assets of Regulus, including certain assets relating to the Mir-21 Intellectual Property and any rights, claims, proceeds and products thereof, to secure the Obligations (as defined in the Credit Agreement) and, in connection with the granting of such security interest, Regulus and Oxford executed and delivered an Intellectual Property Security Agreement, dated as of August 6, 2018 (the "Intellectual Property Security Agreement");

WHEREAS, the Intellectual Property Security Agreement was recorded with the United States Patent and Trademark Office on August 8, 2018, at Reel/Frame 046748/0561;

WHEREAS, Regulus and Sanofi now desire to further amend the License Agreement and, once amended, Regulus shall, among other things, assign to Sanofi all of its worldwide rights, titles and interests in, to and under the Mir-21 Assigned Assets (as defined in that certain Consent and Non-Disturbance Agreement dated on or around the date hereof between Regulus and the Secured Parties, including without limitation all property required to be delivered to Sanofi under Article 5 of the License Amendment, such as the Mir-21 Product Specific Patents, the Mir-21 Product Regulatory Materials, the Max-Planck Agreement and Wurzburg Agreement, the Mir-21 Fibrosis POC Program Information, the Mir-21 Fibrosis POC Program-Specific Materials, the Domain name alportstudy.com, and the Assigned Mir-21 Contracts (each as defined in the License Amendment));

WHEREAS, in connection with the assignment of the Mir-21 Assigned Assets to Sanofi under the amended License Agreement, Sanofi requires that Oxford, in its capacity as both collateral agent and lender, release its security interest in the Mir-21 Assigned Assets.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Oxford hereby agrees as follows:

1. Release. Oxford, hereby releases, discharges, terminates and cancels all of its security interests throughout the world in and to the Mir-21 Assigned Assets, including without limitation the patents and patent applications set forth on Schedule 1 attached hereto (provided, however, Oxford is not releasing its security interests that it may have in any other Patents, Trademarks or Copyrights of Regulus), arising under the Credit Agreement and the Intellectual Property Security Agreement. If and to the extent that Oxford has acquired any right, title or interest in and to the Mir-21 Assigned Assets under the Intellectual Property Security Agreement, Oxford, hereby transfers, conveys and assigns such right, title or interest to Regulus. The patent and patent applications set forth on Schedule 1 hereto shall hereby be deemed excluded from the **Exhibit C** to the Intellectual Property Security Agreement. Notwithstanding anything herein to the contrary, Oxford will continue to have liens on all proceeds of the Mir-21 Assigned Assets and consideration therefor that is received or due to Regulus under the License Agreement.

2. Further Assurances. Oxford agrees to take all further actions, and provide to Regulus all such cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments), reasonably requested by Regulus, at Regulus' sole cost and expense, to more fully and effectively effectuate the purposes of this Release. Regulus may file this Release with the United States Patent and Trademark Office and any foreign equivalent office.

3. Filing with US Patent Office. Oxford authorizes and requests that the United States Patent and Trademark Office (and any foreign equivalent office) and any applicable government officer record this Release.

4. Governing Law. This Release shall be governed exclusively under the laws of the State of California, without regard to conflicts of law or choice of law principles.

[Signature page follows.]

IN WITNESS WHEREOF, the parties hereto have caused this Release to be executed by their duly authorized representatives as of the Effective Date:

**OXFORD FINANCE LLC, in its capacity as
collateral agent and lender**

By: 

Name: Colette H. Featherly

Title: Senior Vice President

[Oxford Mir-21 IP Release]

PATENT
REEL: 047445 FRAME: 0290

SCHEDULE I

ISSUED PATENTS AND PATENT APPLICATIONS

Patent Ref.	Title	Country	Status	Application Number	Official Filing Date	Publication Number	Publication Date	Patent Number	Issue Date
REG-0003US	TARGETING MICRORNAS FOR THE TREATMENT OF LIVER CANCER	United States	Issued	12/740,211	29-Oct-08	2010-0267814	21-Oct-10	8211867	03-Jul-12
REG-0003US.D2	TARGETING MICRORNAS FOR THE TREATMENT OF LIVER CANCER	United States	Issued	14/168,812	30-Jan-14	2014-0206854	24-Jul-14	9150857	06-Oct-15
REG-0025AU	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Australia	Issued	2012249851	25-Apr-12			2012249851	21-Sep-17
REG-0025AU2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Australia	Pending	2017219156	25-Apr-12				
REG-0025BR	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Brazil	Published	BR1120130271876	25-Apr-12	BR1120130271876	06-Jun-17		
REG-0025CA	MICRORNA COMPOUNDS AND METHODS FOR MODULATING	Canada	Pending	2833615	25-Apr-12				

PATENT

REEL: 047445 FRAME: 0291

	MIR-21 ACTIVITY								
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY								
REG-0025CL	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Chile	Published	03105-2013	25-Apr- 12	03105-2013	01-Aug-14		
REG-0025CN	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	China	Published	2.0128E+11	25-Apr- 12	CN103620035A	05-Mar-14		
REG-0025CO	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Colombia	Issued	13-257480	25-Apr- 12	1889	31-Dec-13	31152	15-May- 17
REG-0025CO2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Colombia	Issued	16-026442	25-Apr- 12			33745	17-May- 18
REG-0025DZ	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Algeria	Issued	130714	25-Apr- 12			8770	03-Aug- 15
REG-0025EA	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Eurasian Patent Organization	Issued	201391492	25-Apr- 12			25894	28-Feb- 17
REG-0025EA/AZ	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Azerbaijan		201391492	25-Apr- 12			025894	28-Feb- 17

[Patent Release]

REG-0025EA/BY	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Belarus	201391492	25-Apr-12			025894	28-Feb-17
REG-0025EA/EM	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Armenia	201391492	25-Apr-12			025894	28-Feb-17
REG-0025EA/KG	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Kyrgyzstan	201391492	25-Apr-12			025894	28-Feb-17
REG-0025EA/KZ	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Kazakhstan	201391492	25-Apr-12			025894	28-Feb-17
REG-0025EA/MD	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Moldova	201391492	25-Apr-12			025894	28-Feb-17
REG-0025EA/RU	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Russian Federation	201391492	25-Apr-12			025894	28-Feb-17
REG-0025EA/TJ	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Tajikistan	201391492	25-Apr-12			025894	28-Feb-17
REG-0025EA/TM	MICRORNA COMPOUNDS AND	Turkmenistan	201391492	25-Apr-12			025894	28-Feb-17

[Patent Release]

	METHODS FOR MODULATING MIR-21 ACTIVITY								
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	European Patent Office	Issued	12718549.4	25-Apr- 12	2702155	05-Mar-14	2702155	01-Feb- 17
REG-0025EP	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY			12718549-4	25-Apr- 12				
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Austria		12718549-4	25-Apr- 12			E865629	01-Feb- 17
REG-0025AT	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY			12718549-4	25-Apr- 12				
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Belgium		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025BE	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY			12718549-4	25-Apr- 12				
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Bulgaria		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025BG	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY			12718549-4	25-Apr- 12				
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Switzerland		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025CH	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY			12718549-4	25-Apr- 12				
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Cyprus		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025CY	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY			12718549-4	25-Apr- 12				
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Czechia		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025CZ	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY			12718549-4	25-Apr- 12				

PATENT

[Patent Release]

	MIR-21 ACTIVITY								
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY								
REG-0025DE	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Germany		12718549.4	25-Apr- 12			602012028254.1	01-Feb- 17
REG-0025DK	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Denmark		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025EE	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Estonia		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025ES	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Spain		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025FI	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Finland		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025FR	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	France		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025GB	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Great Britain		12718549-4	25-Apr- 12			2702155	01-Feb- 17

[Patent Release]

REG-0025GR	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Greece		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025HR	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Croatia		12718549-4	25-Apr- 12			P20170557	01-Feb- 17
REG-0025HU	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Hungary		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025IE	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Ireland		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025IT	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Italy		12718549-4	25-Apr- 12			50201700003919 6	01-Feb- 17
REG-0025LT	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Lithuania		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025LU	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Luxembourg		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025LV	MICRORNA COMPOUNDS AND	Latvia		12718549-4	25-Apr- 12			2702155	01-Feb- 17

[Patent Release]

	METHODS FOR MODULATING MIR-21 ACTIVITY								
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Monaco		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025MC	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Malta		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025MT	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Netherland		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025NL	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Poland		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025PL	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Portugal		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025PT	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY								
REG-0025RO	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Romania		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025SE	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Sweden		12718549-4	25-Apr- 12			2702155	01-Feb- 17

PATENT

REEL: 047445 FRAME: 0297

[Patent Release]

71373016 2
BOS 48701045v4

	MIR-21 ACTIVITY								
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY								
REG-0025SI	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Slovenia		12718549-4	25-Apr- 12			201230924	01-Feb- 17
REG-0025SK	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Slovak Republic		12718549-4	25-Apr- 12			2702155	01-Feb- 17
REG-0025TR	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Turkey		12718549-4	25-Apr- 12			2017/05474	01-Feb- 17
REG-0025EP2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	European Patent Office		17153724.4	25-Apr- 12		3211082		
REG-0025GC	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Patent Office of the Arab States of the Gulf		2012/21118	25-Apr- 12				
REG-0025HK	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Hong Kong		14109010.1	25-Apr- 12		1195585A		09-Mar- 18
REG-0025HK2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Hong Kong		18102629.5	25-Apr- 12		1243130		

[Patent Release]

PATENT

REEL: 047445 FRAME: 0299

REG-0025ID	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Indonesia	Published	W00 2013 05374	25-Apr- 12	2014/05041	11-Dec-14		
REG-0025IL	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Israel	Pending	229032	25-Apr- 12				
REG-0025IL2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Israel	Pending	260600	25-Apr- 12				
REG-0025IN	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	India	Published	9840/DELNP/2013	25-Apr- 12	9840/DELNP/2013 A	27-May-16		
REG-0025JP	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Japan	Issued	2014-508494	25-Apr- 12	2014-518619	07-Aug-14	6320292	13-Apr- 18
REG-0025JP2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Japan	Pending	2018-070694	25-Apr- 12				
REG-0025KR	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Republic of Korea	Pending	10-2013-7031227	25-Apr- 12				
REG-0025MA	MICRORNA COMPOUNDS AND	Morocco	Issued	PV/36437	25-Apr- 12			35151	02-Jun- 14

[Patent Release]

71373016 2
BOS 48701045v4

PATENT

REEL: 047445 FRAME: 0300

	METHODS FOR MODULATING MIR-21 ACTIVITY								
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Mexico	Published	MX/A/2013/01245 2	25-Apr- 12	MX/a/2013/012452	01-Nov-14		
REG-0025MX	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY				25-Apr- 12				
REG-0025MY	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Malaysia	Pending	PI 2013003885	25-Apr- 12				
REG-0025MY2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Malaysia	Pending	PI 2017000706	05-Apr- 12				
REG-0025NZ	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	New Zealand	Issued	616748	25-Apr- 12			616748	01-Jul-16
REG-0025NZ2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	New Zealand	Issued	717921	25-Apr- 12			717921	04-Jan- 18
REG-0025NZ3	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	New Zealand	Pending	732274	25-Apr- 12				
REG-0025PH	MICRORNA COMPOUNDS AND METHODS FOR MODULATING	Philippines	Published	1-2013-502199	25-Apr- 12	1-2013-502199	27-Jan-14		

[Patent Release]

71373016 2
BOS 48701045v4

	MIR-21 ACTIVITY								
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0025SG	MIR-21 ACTIVITY	Singapore	Issued	201307945-4	25-Apr-12			194636	13-Aug-18
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0025TH	MIR-21 ACTIVITY	Thailand	Published	1301006081	25-Apr-12	179021	23-Aug-18		
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0025TW	MIR-21 ACTIVITY	Taiwan, Province of China	Issued	101114636	25-Apr-12	201300404	01-Jan-13	1607016	01-Dec-17
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0025TW2	MIR-21 ACTIVITY	Taiwan, Province of China	Published	106131684	25-Apr-12	201811812	01-Apr-18		
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0025UA	MIR-21 ACTIVITY	Ukraine	Issued	A201312414	25-Apr-12			115652	11-Dec-17
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0025US.L	MIR-21 ACTIVITY	United States	Expired	61/478,767	25-Apr-11				
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0025US.L2	MIR-21 ACTIVITY	United States	Expired	61/565,779	01-Dec-11				
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								

[Patent Release]

PATENT

REEL: 047445 FRAME: 0301

PATENT

REG-0025US2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Issued	14/111,976	25-Apr-12	2014-0107183	17-Apr-14	\$181,547	10-Nov-15
REG-0025US3	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Issued	14/444,406	28-Jul-14	2014-0329887	06-Nov-14	\$912,161	16-Dec-14
REG-0025US4	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Issued	14/883,055	14-Oct-15	2016-0138016	19-May-16	\$790,496	17-Oct-17
REG-0025US5	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Published	15/704,749	14-Sep-17	2018-0155719	07-Jun-18		
REG-0025VNI	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Viet Nam	Pending	1-2013-03571	25-Apr-12				
REG-0025WO	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	World Intellectual Property Organization	Expired	PCT/US12/34880	25-Apr-12	WO 2012/148952	01-Nov-12		
REG-0025ZA	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	South Africa	Issued	2013/08670	25-Apr-12			2013/08670	28-Apr-16
REG-0036AR	MICRORNA COMPOUNDS AND	Argentina	Published	P130101370	24-Apr-13	AR 090825 A1	10-Dec-14		

[Patent Release]

PATENT

REEL: 047445 FRAME: 0303

	METHODS FOR MODULATING MIR-21 ACTIVITY								
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Australia	Pending	2013251696	24-Apr- 13				
REG-0036AU	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY		Pending	BR 11 2014 026639- 5	24-Apr- 13				
REG-0036BR	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Brazil	Pending	2869639	24-Apr- 13				
REG-0036CA	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Canada	Pending	02844-2014	24-Apr- 13				
REG-0036CL	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Chile	Pending	01195-2017	24-Apr- 13	41.967	26-Jan-18		
REG-0036CL2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Chile	Published	2.0138E+11	24-Apr- 13	104254607	31-Dec-14		
REG-0036CN	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	China	Published	14-238778	24-Apr- 13	1303	10-Nov-14	31163	21-Mar- 17
REG-0036CO	MICRORNA COMPOUNDS AND METHODS FOR MODULATING	Colombia	Issued						

[Patent Release]

71373016 2
BOS 48701045v4

PATENT

REEL: 047445 FRAME: 0304

	MIR-21 ACTIVITY								
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036CR	MIR-21 ACTIVITY	Costa Rica	Published	2014-0524	24-Apr-13		29-Jan-15		
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036DO	MIR-21 ACTIVITY	Dominican Republic	Published	P2014-0233	24-Apr-13	P2014-0233	31-Dec-14		
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036DZ	MIR-21 ACTIVITY	Algeria	Pending	140605	24-Apr-13				
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036EA	MIR-21 ACTIVITY	Eurasian Patent Organization	Issued	201491953	24-Apr-13			30211	31-Jul-18
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036EC	MIR-21 ACTIVITY	Ecuador	Pending	IEPI-2014-28612	24-Apr-13				
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036EG	MIR-21 ACTIVITY	Egypt	Pending	1687/2014	24-Apr-13				
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036EP	MIR-21 ACTIVITY	European Patent Office	Allowed	13720699.1	24-Apr-13	2841579	04-Mar-15	2841579	10-Oct-18

[Patent Release]

71373016 2
BOS 48701045v4

REG-0036GC	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Patent Office of the Arab States of the Gulf	Pending	2013/24201	24-Apr- 13				
REG-0036GT	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Guatemala	Published	A-2014-0221	24-Apr- 13	A-2014-0221	17-Jan-18		
REG-0036HK	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Hong Kong	Published	15107699.2	24-Apr- 13	1207115	22-Jan-16		
REG-0036ID	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Indonesia	Published	P00201406548	24-Apr- 13	2016/01881	25-Mar-16		
REG-0036IL	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Israel	Pending	234904	24-Apr- 13				
REG-0036IN	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	India	Pending	9134/DELNP/2014	24-Apr- 13				
REG-0036JP	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Japan	Issued	2015-509097	24-Apr- 13	2015-519891	16-Jul-15	6322189	13-Apr- 18
REG-0036KR	MICRORNA COMPOUNDS AND	Republic of Korea	Pending	10-2014-7032508	24-Apr- 13				

[Patent Release]

	METHODS FOR MODULATING MIR-21 ACTIVITY								
REG-0036MA	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Morocco	Issued	37563	24-Apr-13			35962	01-Dec-14
REG-0036MX	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Mexico	Issued	MX/a/2014/012476	24-Apr-13			353562	17-Jan-18
REG-0036MY	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Malaysia	Pending	PI 2014003019	24-Apr-13				
REG-0036NG	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Nigeria	Issued	NG/PT/C/2014/620	24-Apr-13			NG/PT/C/2014/620	10-May-17
REG-0036NZ	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	New Zealand	Issued	630591	24-Apr-13			630591	25-May-17
REG-0036OA	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	African Intellectual Property Organization	Issued	1201400479	24-Apr-13			17147	31-Jul-15
REG-0036PA	MICRORNA COMPOUNDS AND METHODS FOR MODULATING	Panama	Published	90396	24-Apr-13	90396	28-Dec-15		

[Patent Release]

	MIR-21 ACTIVITY								
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036PE	MIR-21 ACTIVITY	Peru	Published	001895-2014/DIN	24-Apr-13		02-Jan-15		
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036PH	MIR-21 ACTIVITY	Philippines	Published	1-2014-502387	24-Apr-13		22-Dec-14		
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036SG	MIR-21 ACTIVITY	Singapore	Issued	11201406931X	24-Apr-13			11201406931X	02-Mar-17
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036TH	MIR-21 ACTIVITY	Thailand	Published	1401006392	24-Apr-13	175918	17-May-18		
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036TN	MIR-21 ACTIVITY	Tunisia	Issued	TN2014/0401	24-Apr-13		21-Dec-15	24132	25-Feb-16
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036TW	MIR-21 ACTIVITY	Taiwan, Province of China	Allowed	102114690	24-Apr-13	201345918	16-Nov-13		
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING								
REG-0036UA	MIR-21 ACTIVITY	Ukraine	Issued	a 2014 12637	24-Apr-13			117098	25-Jun-18

[Patent Release]

71373016 2
BOS 48701045v4

PATENT

REEL: 047445 FRAME: 0307

PATENT

REEL: 047445 FRAME: 0308

REG-0036US	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Issued	13/869,177	24-Apr-13	2013-0289093	31-Oct-13	8969317	03-Mar-15
REG-0036US.L	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Expired	61/717,927	24-Oct-12				
REG-0036US.L2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Expired	61/741,783	25-Apr-12	20120270928	25-Oct-12		
REG-0036US.L3	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Expired	61/779,913	13-Mar-13				
REG-0036US2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Issued	14/597,676	15-Jan-15	2015-0218558	06-Aug-15	9267137	23-Feb-16
REG-0036US3	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Issued	14/995,432	14-Jan-16	2016/0244753	25-Aug-16	9688985	27-Jun-17
REG-0036US4	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Issued	15/441,590	24-Feb-17	2017-0240891	24-Aug-17	9970009	15-May-18
REG-0036US5	MICRORNA COMPOUNDS AND	United States	Pending	15/954,159	16-Apr-18				

[Patent Release]

71373016 2
BOS 48701045v4

	METHODS FOR MODULATING MIR-21 ACTIVITY								
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	Viet Nam	Pending	1-2014-03590	24-Apr- 13				
REG-0036VN	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	World Intellectual Property Organization	Expired	PCT/US13/37913	24-Apr- 13	WO 2013/163258	31-Oct-13		
REG- 0036WO	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	South Africa	Issued	2014/07228	24-Apr- 13				31-May- 17
REG-0036ZA	METHODS FOR TREATMENT OF ALPORT SYNDROME	Argentina	Pending	20130103643	08-Oct-13				
REG-0037AR	METHODS FOR TREATMENT OF ALPORT SYNDROME	Australia	Pending	2013329427	08-Oct-13				
REG-0037AU	METHODS FOR TREATMENT OF ALPORT SYNDROME	Brazil	Published	BR1120150077099	08-Oct-13	BR1120150077099	08-Aug-17		
REG-0037BR	METHODS FOR TREATMENT OF ALPORT SYNDROME	Canada	Pending	2885605	08-Oct-13				
REG-0037CA	METHODS FOR TREATMENT OF ALPORT SYNDROME	Chile	Published	00873-2015	08-Oct-13	41.233	14-Aug-15		
REG-0037CL	METHODS FOR TREATMENT OF ALPORT SYNDROME	China	Published	2.0138E+11	08-Oct-13	CN 104718295 A	17-Jun-15		
REG-0037CN	METHODS FOR TREATMENT OF ALPORT SYNDROME	Costa Rica	Published	2015-0236	08-Oct-13	2015-0236	26-Jun-15		
REG-0037CR	METHODS FOR TREATMENT OF ALPORT SYNDROME								

PATENT

REEL: 047445 FRAME: 0309

[Patent Release]

71373016 2
BOS 48701045v4

REG-0037DZ	METHODS FOR TREATMENT OF ALPORT SYNDROME	Algeria	Issued	150151	08-Oct-13			9621	12-Oct-17
REG-0037EA	METHODS FOR TREATMENT OF ALPORT SYNDROME	Eurasian Patent Organization	Published	201590711	08-Oct-13	201590711	30-Jul-15		
REG-0037EG	METHODS FOR TREATMENT OF ALPORT SYNDROME	Egypt	Pending	PCT 518/2015	08-Oct-13				
REG-0037EP	METHODS FOR TREATMENT OF ALPORT SYNDROME	European Patent Office	Allowed	13777458.4	08-Oct-13	2906698	19-Aug-15		
REG-0037GC	METHODS FOR TREATMENT OF ALPORT SYNDROME	Patent Office of the Arab States of the Gulf	Pending	2013/25529	08-Oct-13				
REG-0037HK	METHODS FOR TREATMENT OF ALPORT SYNDROME	Hong Kong	Published	16100081.2	08-Oct-13	1212378	10-Jun-16		
REG-0037ID	METHODS FOR TREATMENT OF ALPORT SYNDROME	Indonesia	Published	P00201502427	08-Oct-13	2016/06397	25-Nov-16		
REG-0037IL	METHODS FOR TREATMENT OF ALPORT SYNDROME	Israel	Pending	237768	08-Oct-13				
REG-0037JP	METHODS FOR TREATMENT OF ALPORT SYNDROME	Japan	Issued	2015-535891	08-Oct-13	2015-536301	21-Dec-15	6272880	12-Jan-18
REG-0037JP2	METHODS FOR TREATMENT OF ALPORT SYNDROME	Japan	Published	2017-253345	08-Oct-13	2018-080190	24-May-18		
REG-0037KR	METHODS FOR TREATMENT OF ALPORT SYNDROME	Republic of Korea	Pending	10-2015-7009045	08-Oct-13				
REG-0037MA	METHODS FOR TREATMENT OF ALPORT SYNDROME	Morocco	Pending	38083	08-Oct-13				
REG-0037MX	METHODS FOR TREATMENT OF ALPORT SYNDROME	Mexico	Issued	MX/a/2015/004460	08-Oct-13			356340	23-May-18

PATENT

REEL: 047445 FRAME: 0310

[Patent Release]

71373016 2
BOS 48701045v4

REG-0037MY	METHODS FOR TREATMENT OF ALPORT SYNDROME	Malaysia	Pending	PI 2015000876	08-Oct-13				
REG-0037NG	METHODS FOR TREATMENT OF ALPORT SYNDROME	Nigeria	Issued	NG/PT/C/2015/1023	08-Oct-13			NG/PT/C/2015/1023	15-Aug-17
REG-0037NZ	METHODS FOR TREATMENT OF ALPORT SYNDROME	New Zealand	Issued	630596	08-Oct-13			630596	29-Aug-17
REG-0037NZ2	METHODS FOR TREATMENT OF ALPORT SYNDROME	New Zealand	Pending	730856	08-Oct-13				
REG-0037OA	METHODS FOR TREATMENT OF ALPORT SYNDROME	African Intellectual Property Organization	Issued	1201500104	08-Oct-13			17284	30-Oct-15
REG-0037PA	METHODS FOR TREATMENT OF ALPORT SYNDROME	Panama	Allowed	90637	08-Oct-13		20-Nov-15		
REG-0037PH	METHODS FOR TREATMENT OF ALPORT SYNDROME	Philippines	Published	1-2015-500781	08-Oct-13		15-Jun-15		
REG-0037PK	METHODS FOR TREATMENT OF ALPORT SYNDROME	Pakistan	Pending	685/2013	09-Oct-13				
REG-0037SG	METHODS FOR TREATMENT OF ALPORT SYNDROME	Singapore	Issued	11201502748R	08-Oct-13			11201502748R	19-Oct-16
REG-0037TH	METHODS FOR TREATMENT OF ALPORT SYNDROME	Thailand	Published	1501001902	08-Oct-13	177205	21-Jun-18		
REG-0037TN	METHODS FOR TREATMENT OF ALPORT SYNDROME	Tunisia	Issued	TN2015/0099	08-Oct-13		29-Jun-16	24364	01-Sep-16
REG-0037TW	METHODS FOR TREATMENT OF ALPORT SYNDROME	Taiwan, Province of China	Allowed	102136388	08-Oct-13	201420120	01-Jun-14		
REG-0037UA	METHODS FOR TREATMENT OF ALPORT SYNDROME	Ukraine	Issued	a 2015 04453	08-Oct-13			116639	25-Apr-18

PATENT

PATENT

REEL: 047445 FRAME: 0312

REG-0037US	METHODS FOR TREATMENT OF ALPORT SYNDROME	United States	Issued	14/048,827	08-Oct-13	2014-0100263	10-Apr-14	9812423	21-Apr-15
REG-0037US.L	METHODS FOR TREATMENT OF ALPORT SYNDROME	United States	Expired	61/711,514	09-Oct-12				
REG-0037US.L2	METHODS FOR TREATMENT OF ALPORT SYNDROME	United States	Expired	61/779,137	13-Mar-13				
REG-0037US2	METHODS FOR TREATMENT OF ALPORT SYNDROME	United States	Abandoned	14/659,393	16-Mar-15				
REG-0037US3	METHODS FOR TREATMENT OF ALPORT SYNDROME	United States	Issued	14/677,387	02-Apr-15	2015-0299704-A1	22-Oct-15	9359609	07-Jun-16
REG-0037US4	METHODS FOR TREATMENT OF ALPORT SYNDROME	United States	Issued	15/151,290	10-May-16	2016-0319283	03-Nov-16	9688986	27-Jun-17
REG-0037US5	METHODS FOR TREATMENT OF ALPORT SYNDROME	United States	Issued	15/606,554	26-May-17	2017-0369879	28-Dec-17	9970011	15-May-18
REG-0037US6	METHODS FOR TREATMENT OF ALPORT SYNDROME	United States	Pending	15/948,450	08-Oct-13				
REG-0037UY	METHODS FOR TREATMENT OF ALPORT SYNDROME	Uruguay	Published	35.069	08-Oct-13	35.069	30-Apr-14		
REG-0037VE	METHODS FOR TREATMENT OF ALPORT SYNDROME	Venezuela	Published	1261-2013	08-Oct-13	1261-2013	15-Oct-14		
REG-0037WO	METHODS FOR TREATMENT OF ALPORT SYNDROME	World Intellectual Property Organization	Expired	PCT/US13/63884	08-Oct-13	WO 2014/058881	17-Apr-14		
REG-0037ZA	METHODS FOR TREATMENT OF ALPORT SYNDROME	South Africa	Issued	2015/02087	08-Oct-13			2015/02087	29-Jun-16
REG-0040EP	MICRORNA COMPOUNDS AND METHODS FOR MODULATING	European Patent Office	Published	14802966.3	23-Oct-14	3060664	31-Aug-16		

[Patent Release]

71373016 2
BOS 48701045v4

	MIR-21 ACTIVITY							
	MICRORNA COMPOUNDS AND METHODS FOR MODULATING							
REG-0040US	MIR-21 ACTIVITY	United States	Issued	15/029,535	23-Oct-14	2016-0333341	17-Nov-16	12-Jun-18
REG-0040US.L	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Expired	61/895,583	25-Oct-13			
REG-0040US2	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	United States	Pending	15/976,060	23-Oct-14			
REG-0040WO	MICRORNA COMPOUNDS AND METHODS FOR MODULATING MIR-21 ACTIVITY	World Intellectual Property Organization	Expired	PCT/US2014/06190 7	23-Oct-14	WO 2015/061536	30-Apr-15	
REG-0061US.L	METHODS FOR TREATMENT OF ALPORT SYNDROME	United States	Expired	62/501,699	04-May-17			
REG-0061WO	METHODS FOR TREATMENT OF ALPORT SYNDROME	World Intellectual Property Organization	Pending	PCT/US2018/03109 4	04-May-18			

PATENT

71373016 2
BOS 48701045v4

[Patent Release]