

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ALLA DANILKOVITCH	10/28/2014
RECEIVING PARTY DATA		
Name:	OSIRIS THERAPEUTICS, INC.	
Street Address:	7015 ALBERT EINSTEIN DRIVE	
City:	COLUMBIA	
State/Country:	MARYLAND	
Postal Code:	21046	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	14056101	
CORRESPONDENCE DATA		
Fax Number:	(678)420-9301	
<i>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.</i>		
Phone:	678-420-9300	
Email:	sprattt@ballardspahr.com	
Correspondent Name:	BALLARD SPAHR LLP	
Address Line 1:	999 PEACHTREE STREET	
Address Line 2:	SUITE 1000	
Address Line 4:	ATLANTA, GEORGIA 30309	
ATTORNEY DOCKET NUMBER:	26038.0029U2	
NAME OF SUBMITTER:	SCOTT D. MARTY, J.D., PH.D.	
SIGNATURE:	/Scott D. Marty, Reg. No. 53,277/	
DATE SIGNED:	11/05/2014	
Total Attachments: 18 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif		

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ASSIGNMENT

WHEREAS, we ALLA DANILKOVITCH, DANA YOO, TIMOTHY CONNOLLY, TIMOTHY JANSEN, JIN-QIANG KUANG, ERASMO LOPEZ, JENNIFER MICHELLE MARCONI, SCOTT A. MAXSON, JAIME PADEN, BHANU RAJPUT, SAMSON TOM, and JAIME ZERHUSEN, have invented new and useful improvements in the patents (the "Patents") and the patent applications (the "Patent Applications") set forth on Schedule A attached hereto (collectively the "Patents and Patent Applications"), and the inventions described in and claimed therein (the "Inventions"); and

WHEREAS, OSIRIS THERAPEUTICS, INC., an Maryland corporation, whose principal address is 7015 Albert Einstein Drive, Columbia, Maryland 21046, is desirous of acquiring the entire interest in the Patents and Patent Applications and Inventions.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, for good and valuable consideration, we, **ALLA DANILKOVITCH, DANA YOO, TIMOTHY CONNOLLY, TIMOTHY JANSEN, JIN-QIANG KUANG, ERASMO LOPEZ, JENNIFER MICHELLE MARCONI, SCOTT A. MAXSON, JAIME PADEN, BHANU RAJPUT, SAMSON TOM, and JAIME ZERHUSEN,** hereby do sell, assign and transfer unto said **OSIRIS THERAPEUTICS, INC.** the entire right, title and interest in and to:

(1) the Patents and Patent Applications throughout the world, the Inventions, all divisions, continuations, continuations-in-part and renewals of such Patents and Patent Applications, all patents which may be granted on such Patent Applications and Inventions, and all reissues, re-examinations and extensions thereof; and all reissues, re-examinations and extensions of such Patents;

(2) all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for an invention

described in any of the Patents or Patent Applications in any county or counties foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the Patents or Patent Applications under the Patent Laws of the United States, the Paris Convention, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and

(3) all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for the Inventions in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

ALLA DANILKOVITCH, DANA YOO, TIMOTHY CONNOLLY, TIMOTHY JANSEN, JIN-QIANG KUANG, ERASMO LOPEZ, JENNIFER MICHELLE MARCONI, SCOTT A. MAXSON, JAIME PADEN, BHANU RAJPUT, SAMSON TOM, and JAIME ZERHUSEN hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to **OSIRIS THERAPEUTICS, INC.**

AND, we hereby bind ourselves, any heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid **OSIRIS THERAPEUTICS, INC.**, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world.

IN WITNESS WHEREOF, we have executed this Assignment this 28 day
of October, 2014.

Ala Danilkovitch (L.S.)
ALLA DANILKOVITCH

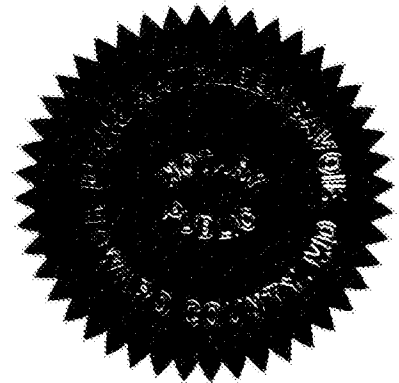
State of *Maryland*
County of *Howard*

On this 28th day of October, 2014, before me, a Notary Public, came
ALLA DANILKOVITCH, to me known and known to be the individual described in and who
executed the foregoing assignment, and he/she duly acknowledged the same to be his/her free act and
deed.

Diane Kathleen Savoie
Notary Public

My Commission Expires: 5.16.2015

Diane Kathleen Savoie



IN WITNESS WHEREOF, we have executed this Assignment this _____ day
of _____, 2014.

DANA YOO (L.S.)

State of _____

County of _____

On this _____ day of _____, 2014, before me, a Notary Public, came
DANA YOO, to me known and known to be the individual described in and who executed the
foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

Notary Public

My Commission Expires: _____

IN WITNESS WHEREOF, we have executed this Assignment this _____ day
of _____, 2014.

TIMOTHY CONNOLLY (L.S.)

State of _____

County of _____

On this _____ day of _____, 2014, before me, a Notary Public, came
TIMOTHY CONNOLLY, to me known and known to be the individual described in and who
executed the foregoing assignment, and he/she duly acknowledged the same to be his/her free act and
deed.

Notary Public

My Commission Expires: _____

IN WITNESS WHEREOF, we have executed this Assignment this _____ day
of _____, 2014.

TIMOTHY JANSEN (L.S.)

State of _____

County of _____

On this _____ day of _____, 2014, before me, a Notary Public, came
TIMOTHY JANSEN, to me known and known to be the individual described in and who executed
the foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

Notary Public

My Commission Expires: _____

IN WITNESS WHEREOF, we have executed this Assignment this _____ day
of _____, 2014.

JIN-QIANG KUANG (L.S.)

State of _____

County of _____

On this _____ day of _____, 2014, before me, a Notary Public, came
JIN-QIANG KUANG, to me known and known to be the individual described in and who executed
the foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

Notary Public

My Commission Expires: _____

IN WITNESS WHEREOF, we have executed this Assignment this _____ day
of _____, 2014.

ERASMO LOPEZ (L.S.)

State of _____

County of _____

On this _____ day of _____, 2014, before me, a Notary Public, came
ERASMO LOPEZ, to me known and known to be the individual described in and who executed the
foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

Notary Public

My Commission Expires: _____

IN WITNESS WHEREOF, we have executed this Assignment this _____ day
of _____, 2014.

JENNIFER MICHELLE MARCONI (L.S.)

State of _____

County of _____

On this _____ day of _____, 2014, before me, a Notary Public, came
JENNIFER MICHELLE MARCONI, to me known and known to be the individual described in and
who executed the foregoing assignment, and he/she duly acknowledged the same to be his/her free act
and deed.

Notary Public

My Commission Expires: _____

IN WITNESS WHEREOF, we have executed this Assignment this _____ day
of _____, 2014.

SCOTT A. MAXSON (L.S.)

State of _____

County of _____

On this _____ day of _____, 2014, before me, a Notary Public, came
SCOTT A. MAXSON, to me known and known to be the individual described in and who executed
the foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

Notary Public

My Commission Expires: _____

IN WITNESS WHEREOF, we have executed this Assignment this _____ day
of _____, 2014.

JAIME PADEN (L.S.)

State of _____

County of _____

On this _____ day of _____, 2014, before me, a Notary Public, came
JAIME PADEN, to me known and known to be the individual described in and who executed the
foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

Notary Public

My Commission Expires: _____

IN WITNESS WHEREOF, we have executed this Assignment this _____ day
of _____, 2014.

BHANU RAJPUT (L.S.)

State of _____

County of _____

On this _____ day of _____, 2014, before me, a Notary Public, came
BHANU RAJPUT, to me known and known to be the individual described in and who executed the
foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

Notary Public

My Commission Expires: _____

IN WITNESS WHEREOF, we have executed this Assignment this _____ day
of _____, 2014.

SAMSON TOM (L.S.)

State of _____

County of _____

On this _____ day of _____, 2014, before me, a Notary Public, came
SAMSON TOM, to me known and known to be the individual described in and who executed the
foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

Notary Public

My Commission Expires: _____

IN WITNESS WHEREOF, we have executed this Assignment this _____ day
of _____, 2014.

JAIME ZERHUSEN (L.S.)

State of _____

County of _____

On this _____ day of _____, 2014, before me, a Notary Public, came
JAIME ZERHUSEN, to me known and known to be the individual described in and who executed the
foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

Notary Public

My Commission Expires: _____

SCHEDULE A

Ballard Spahr Reference No.	Application No.	Filing Date	Patent No.	Title
000XXU1	08/357,598	12/15/1994	5,705,625	Nucleic Acid Encoding Novel protein Tyrosine Kinase
000XXU2	09/003,289	01/06/1998	5,916,792	Protein Tyrosine Kinase, JAK3
XXXU1	61/953,716	03/14/2014		Support and Packaging For Membranes
26038.0023U1	60/060,998	10/03/1997		Polynucleotides Encoding Human Hox C10
26038.0023U2	09/165,827	10/02/1998	6,358,702	Polynucleotides encoding human Hox C10
26038.0024U1	60/096,420	08/13/1998		Human Slit Polypeptides Mesenchymal Stem Cells
26038.0024U2	60/063,946	10/31/1997		Human Slit Polypeptides Mesenchymal Stem Cells
26038.0024U3	09/182,024	10/29/1998	6,342,370	Human slit polypeptide and polynucleotides encoding same
26038.0024U4	10/011,064	12/03/2001		Human slit polypeptide and polynucleotides encoding same
26038.0025U1	13/030,507	02/18/2011		Immunocompatible Chorionic membrane Products
26038.0025U2	14/272,343	05/07/2014		Immunocompatible Chorionic Membrane Products
26038.0025U3	14/291,256	05/30/2014		Immunocompatible Chorionic Membrane Products
26038.0025P1	PCT/US2011/025459	02/18/2011		Immunocompatible Chorionic Membrane Products
26038.0025CA1	CA 2,790,436	02/18/2011		Immunocompatible Chorionic membrane Products
26038.0025EP1	EP 11745341.5	02/18/2011		Immunocompatible Chorionic membrane Products
26038.0026U1	13/030,539	02/18/2011		Methods of Manufacture of Immunocompatible Chorionic Membrane Products
26038.0026U2	14/069,894	11/01/2013		Methods of Manufacture of Immunocompatible Chorionic Membrane Products
26038.0026P1	PCT/US2011/025465	02/18/2011		Methods of Manufacture of Immunocompatible Chorionic Membrane Products
26038.0026P2	PCT/US2014/037204	05/07/2014		Methods of Manufacture of Immunocompatible Chorionic Membrane Products
26038.0026CA1	CA 2,790,322	02/18/2011		Methods of Manufacture of Immunocompatible Chorionic Membrane Products

Ballard Spahr Reference No.	Application No.	Filing Date	Patent No.	Title
26038.0026EP1	EP 11745343.1	02/18/2011		Methods of Manufacture of Immunocompatible Chorionic Membrane Products
26038.0027U4	13/030,551	02/18/2011		Immunocompatible Amniotic Membrane Products
26038.0027U5	14/172,940	02/05/2014		Immunocompatible Amniotic Membrane Products
26038.0027U6	14/272,345	05/07/2014		Immunocompatible Amniotic Membrane Products
26038.0027P1	PCT/US2011/025469	02/18/2011		Immunocompatible Amniotic Membrane Products
26038.0027P2	PCT/US2014/037208	05/07/2014		Immunocompatible Amniotic Membrane Products
26038.0027CA1	CA 2,790,325	02/18/2011		Immunocompatible Amniotic Membrane Products
26038.0027EP1	EP11745347.2	02/18/2011		Immunocompatible Amniotic Membrane Products
26038.0028U1	61/338,464	02/18/2010		Methods of Manufacture of Immunocompatible Amniotic Membrane Products
26038.0028U2	61/338,489	02/18/2010		Methods of Manufacture of Immunocompatible Amniotic Membrane Products
26038.0028U3	61/369,562	07/30/2010		Therapeutic Products Comprising Vitalized Placental Dispersions
26038.0028U4	13/030,562	02/18/2011		Methods of Manufacture of Immunocompatible Amniotic Membrane Products
26038.0028U5	14/070,035	11/01/2013		Methods of Manufacture of Immunocompatible Amniotic Membrane Products
26038.0028P1	PCT/US2011/025478	02/18/2011		Methods of Manufacture of Immunocompatible Amniotic Membrane Products
26038.0028CA1	CA 2,790,333	02/18/2011		Methods of Manufacture of Immunocompatible Amniotic Membrane Products
26038.0028EP1	EP 11745353.0	02/18/2011		Methods of Manufacture of Immunocompatible Amniotic Membrane Products
26038.0029U1	13/030,580	02/18/2011		Therapeutic Products Comprising Vitalized Placental Dispersions
26038.0029U2	14/056,101	10/17/2013		Therapeutic Products Comprising Vitalized Placental Dispersions

Ballard Spahr Reference No.	Application No.	Filing Date	Patent No.	Title
26038.0029P1	PCT/US2011/025490	02/18/2011		Therapeutic Products Comprising Vitalized Placental Dispersions
26038.0029P2	PCT/US2014/037201	05/07/2014		Therapeutic Placental Compositions, Methods of Making and Methods of Use
26038.0029CA1	CA 2,790,336	02/18/2011		Therapeutic Products Comprising Vitalized Placental Dispersions
26038.0029EP1	EP 11745360.5	02/18/2011		Therapeutic Products Comprising Vitalized Placental Dispersions
26038.0029U3	14/272,339	05/07/2014		Therapeutic Placental Compositions, Methods of Making and Methods of Use
26038.0030U1	13/030,595	02/18/2011		Methods of Manufacture of Therapeutic Products Comprising Vitalized Placental Dispersions
26038.0030U2	14/070,040	11/01/2013		Methods of Manuf. of Therapeutic Products Comprising Vitalized Placental Dispersions
26038.0030P1	PCT/US2011/025493	02/18/2011		Methods of Manufacture of Therapeutic Products Comprising Vitalized Placental Dispersions
26038.0030CA1	CA 2,790,340	02/18/2011		Methods of Manufacture of Therapeutic Products Comprising Vitalized Placental Dispersions
26038.0030EP1	EP 11745361.3	02/18/2011		Methods of Manufacture of Therapeutic Products Comprising Vitalized Placental Dispersions
26038.0031U1	13/939,969	07/11/2013		Porated Cartilage Products
26038.0031U2	14/464,123	08/20/2014		Porated Cartilage Products
26038.0031P1	PCT/US2013/050089	07/11/2013		Porated Cartilage Products
26038.0032U1	13/939,981	07/11/2013		Disrupted Cartilage Products
26038.0032P1	PCT/US2013/050093	07/11/2013		Disrupted Cartilage Products
26038.0033U1	13/939,991	07/11/2013		Methods of Manufacturing Cartilage Products
26038.0033U2	14/485,210	9/12/14		Methods of Manufacturing Cartilage Products
26038.0033P1	PCT/US2013/050094	07/11/2013		Methods of Manufacturing Cartilage products
26038.0034U1	61/670,424	07/11/2012		Porated Cartilage Products
26038.0034U2	61/670,434	07/11/2012		Porated Cartilage Products
26038.0034U3	61/670,444	07/11/2012		Porated Cartilage Products
26038.0035U1	61/338,464	02/18/2010		Selective Immunodepleted Chorionic/Amniotic Membranes and Therapeutic Products Comprising Vitalized Placental Dispersions

Ballard Spahr Reference No.	Application No.	Filing Date	Patent No.	Title
26038.0035U2	61/338,489	02/18/2010		Selective Immunodepleted Chorionic/Amniotic Membranes and Therapeutic Products Comprising Vitalized Placental Dispersions
26038.0035U3	61/369,562	07/30/2010		Selective Immunodepleted Chorionic/Amniotic Membranes and Therapeutic Products Comprising Vitalized Placental Dispersions