

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4047696

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	TRANSMOLECULAR, INC.	03/29/2011
RECEIVING PARTY DATA		
Name:	MORPHOTEK, INC.	
Street Address:	210 WELSH POOL ROAD	
City:	EXTON	
State/Country:	PENNSYLVANIA	
Postal Code:	19341	
PROPERTY NUMBERS Total: 2		
Property Type	Number	
Application Number:	14702934	
Application Number:	13479203	
CORRESPONDENCE DATA		
Fax Number:		
<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:	617-248-5000	
Email:	PATENTDOCKET@CHOATE.COM	
Correspondent Name:	CHOATE, HALL & STEWART LLP	
Address Line 1:	TWO INTERNATIONAL PLACE	
Address Line 4:	BOSTON, MASSACHUSETTS 02110	
ATTORNEY DOCKET NUMBER:	2006636-0167 & -0196	
NAME OF SUBMITTER:	BRENDA HERSCHBACH JARRELL, PHD, JD	
SIGNATURE:	/BRENDA HERSCHBACH JARRELL/	
DATE SIGNED:	09/12/2016	
Total Attachments: 28		
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ASSIGNMENT OF PATENT RIGHTS

This **ASSIGNMENT OF PATENT RIGHTS** (this "**Assignment**") is made as of this 31st day of March 2011 (the "**Effective Date**"), by and among Morphotek, Inc., a Delaware corporation ("**Buyer**") and TransMolecular, Inc., a Delaware corporation ("**Seller**") (each, a "**Party**" and, collectively, the "**Parties**").

WHEREAS, in connection with that certain Asset Purchase Agreement dated as of March 18, 2011, Buyer has acquired from Seller, and Seller has assigned to Buyer, effective as of March 31, 2011 (the "**Assignment Date**"), the patents set forth on Schedule A, attached hereto and made part hereof, including the registrations and applications set forth on Schedule A (collectively, the "**Patents**").

NOW THEREFORE, in consideration of the mutual covenants herein contained and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties, intending to be legally bound, agree as follows:

Section 1. Conveyance and Acceptance of Patents. Effective as of the Assignment Date, Seller hereby assigns, transfers and conveys to Buyer its entire right, title and interest in and to the Patents and any and all direct and indirect divisions, continuations and continuations-in-part of the Patents, any and all Letters Patent in the United States and all foreign countries that may be granted therefor and thereon, and reissues, reexaminations and extensions of the Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Buyer for its own use and benefit to the full end of the term for each of the Patents, as fully and entirely as the same would have been held and enjoyed by Seller had this assignment not been made, including all benefits, privileges, cause of action and remedies relating to, or otherwise derived from, such Patents, including the right to any damages accrued for infringement of the Patents prior to the Assignment Date. Buyer accepts such assignment.

Section 2. Recordation. Seller hereby authorizes and requests the United States Patent and Trademark Office, and as appropriate, the respective patent office or governmental agency in each jurisdiction other than the United States, to record this Assignment and to issue any and all patents or certificates of invention that may be granted upon any of the Patents in the name of Buyer, as the assignee to the entire interest therein. Buyer shall have the right to file patent applications included in the Patents in any country.

Section 3. Further Acts. Seller shall duly execute and deliver, or cause to be duly executed and delivered, such further instruments and do and cause to be done, at Buyer's expense, such further acts and things necessary or useful for the procurement of any Patent in any country, including the filing of such assignments, agreements, documents and instruments, as may be necessary or as Buyer may reasonably request in order to fulfill the purposes and intent of this Assignment. Seller shall promptly forward to Buyer any correspondence or other communication from any patent office or any counsel employed by Seller in connection with any of the Patents. If Buyer institutes a legal proceeding with respect to any Patent that requires, to initiate or maintain such proceeding, that Seller be joined as a named party to the proceeding, Seller agrees to be named to such proceeding at Buyer's expense.

Section 4. Miscellaneous.

4.1 Each Party represents and warrants to the other Party that such Party (a) has the power and authority and the legal right to enter into this Assignment and perform its obligations hereunder and (b) has taken all necessary action on its part required to authorize the execution and delivery of this Assignment and the performance of its obligations hereunder. This Assignment has been duly executed and delivered on behalf of such Party and constitutes a legal, valid and binding obligation of such Party and is enforceable against it in accordance with its terms.

4.2 Except where expressly stated otherwise in this Assignment, the following rules of interpretation apply to this Assignment: (a) "or" is not exclusive and "include", "includes" and "including" are not limiting; (b) "hereof", "hereto", "hereby", "herein" and "hereunder" and words of similar import when used in this Assignment refer to this Assignment as a whole and not to any particular provision of this Assignment; (c) "extent" in the phrase "to the extent" means the degree to which a subject or other thing extends, and such phrase does not mean simply "if"; (d) definitions contained in this Assignment are applicable to the singular as well as the plural forms of such terms; (e) references to an agreement or instrument mean such agreement or instrument as from time to time amended, modified or supplemented; (f) references to a person are also to its permitted successors and assigns; and (g) references to a "Section" refer to a Section of this Assignment. The Parties participated jointly in the negotiation and drafting of this Assignment and the language used in this Assignment shall be deemed to be the language chosen by the Parties to express their mutual intent. If an ambiguity or question of intent or interpretation arises, then this Assignment will accordingly be construed as drafted jointly by the Parties, and no presumption or burden of proof will arise favoring or disfavoring either Party to this Assignment by virtue of the authorship of any of the provisions of this Assignment.

4.3 Construction and interpretation of this Assignment shall be governed by the laws of the State of New York, excluding any conflicts or choice of law rule or principle that might otherwise refer construction or interpretation of this Assignment to the substantive law of another jurisdiction.

4.4 This Assignment and the Asset Purchase Agreement by and between Buyer and Seller dated March 18, 2011 contain the entire agreement among the Parties with respect to the transactions contemplated by this Assignment and supersede all prior agreements or understandings between the Parties with respect to the subject matter hereof. No modification, amendment or waiver of any provision of, or consent or approval required by, this Assignment, nor any consent to or approval of any departure herefrom, shall be effective unless it is in writing and signed by the party against whom enforcement of any such modification, amendment, waiver, consent or approval is sought. Such modification, amendment, waiver, consent or approval shall be effective only in the specific instance and for the purpose for which given.

4.5 This Assignment may be executed in any number of counterparts, and each such counterpart hereof shall be deemed to be an original instrument, but all such counterparts together shall constitute but one agreement. Delivery of an executed counterpart of

a signature page of this Assignment by facsimile or other electronic transmission shall be effective as delivery of a manually executed original counterpart of this Assignment.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Parties have caused this Assignment to be executed by their respective officers thereunto duly authorized as of the Effective Date.

TransMolecular, Inc.

By: 
Name: ROBERT S. RADIC
Title: President

Morphotek, Inc.

By: _____
Name:
Title:

[SIGNATURE PAGE TO ASSIGNMENT OF PATENT RIGHTS]

PATENT
REEL: 040002 FRAME: 0325

IN WITNESS WHEREOF, the Parties have caused this Assignment to be executed by their respective officers thereunto duly authorized as of the Effective Date.

TransMolecular, Inc.

By: _____
Name:
Title:

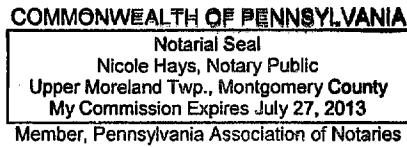
Morphotek, Inc.

By:  _____
Name: *ROD DAUSEN*
Title: *V.P. and CFO*

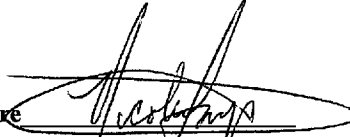
State of Pennsylvania
County of Montgomery

Subscribed and sworn to (or affirmed) before me on this 29 day of March, 2011, by
Robert S Radie, personally known to me or proved to me on the basis of satisfactory evidence
to be the person(s) who appeared before me.

(seal)



Signature


NOTARY PUBLIC

Subscribed and sworn to (or affirmed) before me on this ____ day of _____, 2011, by
_____, personally known to me or proved to me on the basis of satisfactory evidence
to be the person(s) who appeared before me.

(seal)

Signature _____

NOTARY PUBLIC

State of _____
County of _____

Subscribed and sworn to (or affirmed) before me on this _____ day of _____, 2011, by
_____, personally known to me or proved to me on the basis of satisfactory evidence
to be the person(s) who appeared before me.

(seal)

Signature _____

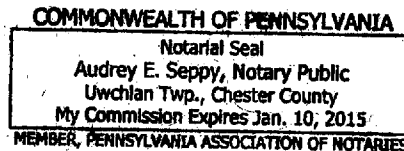
NOTARY PUBLIC

Pennsylvania
Chester

Subscribed and sworn to (or affirmed) before me on this 30 day of March, 2011, by
Rod Dausch, personally known to me or proved to me on the basis of satisfactory evidence
to be the person(s) who appeared before me.

(seal)

Signature Audrey E. Seppy
NOTARY PUBLIC



Schedule A

CHLOROTOXIN "B"

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
COMBINATION CHEMOTHERAPY WITH CHLOROTOXIN (5006)	60/384,171 May 31, 2002	Alvarez, V Gonda, M Grimes, C	Converted PCT only
	2006636-0032 PCT US03/17410 June 2, 2003	Alvarez, V Gonda, M Grimes, C (Transmolecular)	Nationalized National applns filed: AU 3240496 CA 2487425 EP 1553962 JP 2005537234 MX 2004011871 US 10/516079
	WO 2003/101474 Dec. 11, 2003		
	2006636-0023		
	AU 2003240496	(Transmolecular)	Granted Expires June 2, 2023
	2006636-0053 Expires June 2, 2023		
	CA 2487425	(Transmolecular)	Pending
	2006636-0030		
	EP 03731504.1 (Appln.) EP 1553962 (patent) Feb. 24, 2010	(Transmolecular)	Granted Validated in DE, FR, GB, ES, and IE Expires June 2, 2023
	2006636-0029		

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
	EP 09167197.4 (DIV of EP 03731504.1)		Abandoned
	2006636-0100 EP 09176234.4 (DIV2 of EP 03731504.1)		Abandoned
	2006636-0102 EP 10178613.5 (DIV3 of EP 03731504.1)		Pending
	2006636-0123 JP 2005537234	(Transmolecular)	Pending
	2006636-0028 MX 2004011871	(Transmolecular)	Allowed
	2006636-0027 US 10/516079 November 2, 2005 2006-0088899 April 27, 2006 2006636-0026	(Transmolecular) Assignment: 1 Reel/Frame: 016972 / 0804 Received: 11/02/2005 Recorded: 11/02/2005 Mailed: 01/05/2006 Pages: 3 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).	Pending Abandon claims in this application in favor of DIV

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
	PCT US03/17411 June 2, 2003 WO 2003/101475 Dec. 11, 2003 2006636-0020	Alvarez Gonda (Transmolecular)	Nationalized National applns filed: AU 3237347 CA 2494451 EP 1539207 US 10/522810
	AU 3237347 2006636-0010 Expiration: June 2, 2023 CA 2494451	(Transmolecular)	Issued Expires June 2, 2023
	2006636-0015	(Transmolecular)	Pending To abandon
	EP 03736810.7	(Transmolecular)	Pending
	2006636-0018		
	US 10/522,810 2006-0166892 July 27, 2006 2006636-0011	(Transmolecular) Assignment: 1 Reel/Frame: 017371 / 0872 Received: 03/23/2006 Recorded: 03/23/2006 Mailed: 03/28/2006 Pages: 3 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).	Abandoned

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
		Assignors: ALVAREZ, VERNON L. Exec Dt: 09/14/2005 GONDA, MATTHEW A. Exec Dt: 08/31/2005 Assignee: TRANSMOLECULAR INC. ONE PERIMETER PARK SOUTH SUITE 400 NORTH BIRMINGHAM, ALABAMA 35243	
TREATMENT OF PHOSPHATIDYL- INOSITOL PHOSPHOLIPID DISORDERS (5011)	60/524,884 Nov. 26, 2003? 2006636-0012	Alvarez Gonda Grimm	Converted PCT only
	PCT US04/39325 Nov. 23, 2004 WO 2005/053611 June 16, 2005 2006636-0071	Alvarez Gonda (Transmolecular)	Complete National appln filed in US only
	10/580,302 May 22, 2007 2006636-0014	Alvarez Gonda (Transmolecular) Assignment: 1 Reel/Frame: 019358 / 0464 Received: 05/24/2007 Recorded: 05/22/2007 Mailed: 05/31/2007 Pages: 5	Abandoned

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
		Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Assignors: GONDA, MATTHEW A. Exec Dt: 08/25/2006 ALVAREZ, VERNON LEON Exec Dt: 09/07/2006 GRIMES, CAROLL A. Exec Dt: 10/21/2006 Assignee: TRANSMOLECULAR, INC. 840 MEMORIAL DRIVE CAMBRIDGE, MASSACHUSETTS 02139	
TREATMENT OF MYELOID AND LYMPHOID CELL CANCERS (5012)	60/559,433 April 6, 2004 2006636-0016	Alvarez Gonda	Converted PCT only
	PCT US05/11523 April 6, 2005 WO 2005/99774 Oct. 27, 2005 2006636-0009	Alvarez Gonda (Transmolecular)	Nationalized
	AU AU 2005232616	(Transmolecular)	Abandoned

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FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
	2006636-0077		
	CA	(Transmolecular)	Abandoned
	2006636-0078		
	EP 0563889.2 EP1756270 March 3, 2010	(Transmolecular)	Granted March 3, 2010 Expires April 6, 2025
	2006636-0079		VALIDATED IN DE, FR, GB, ES, and IE
	EP 09167183.4 (DIV of 0563889.2)		Abandoned
	20066636-0101		
	JP 2007-507443	(Transmolecular)	Pending
	2006636-0080		
	US 11/547,875 Oct. 5, 2006	(Transmolecular)	Pending
	2006636-0081	Assignment: 1 Reel/Frame: 019890/0023 Recorded: 09/27/2007 Pages: 6 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Assignors:	

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
		ALVAREZ, VERNON L. Exec Dt: 09/25/2007 GONDA, MATTHEW A. Exec Dt: 09/11/2007 Assignee: TRANSMOLECULAR, INC. 840 MEMORIAL DRIVE SECOND FLOOR CAMBRIDGE, MASSACHUSETTS 02139	
CHLOROTOXIN DOSING	60/788,145 March 31, 2006		Converted
	2006636-0002		
	60/810,279 June 2, 2006		Converted
	2006636-0066		
	11/731,661 March 30, 2007	V. Alvarez (Transmolecular) Assignment: 1 Reel/Frame: 019461 / 0777 Received: 06/21/2007 Recorded: 06/20/2007 Mailed: 06/22/2007 Pages: 4 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).	Pending
	2006636-0083		

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
		Assignor: ALVAREZ, VERNON LEON Exec Dt: 05/18/2007 Assignee: TRANSMOLECULAR, INC. 840 MEMORIAL DRIVE CAMBRIDGE, MASSACHUSETTS 02139	
	PCT/US07/08309 March 30, 2007 2006636-0084	V. Alvarez (Transmolecular)	Pending
	EP 07754775.0	V. Alvarez	Pending
	2006636-0092 EP DIV of 07754775.0		Pending
	2006636-0095		
	CA 2647907 2006636-0093	V. Alvarez	Pending
CHLOROTOXIN AS CARRIER	60/954,409 August 7, 2007 2006636-0082	(TransMolecular)	Converted
	PCT/US08/72524 August 7, 2008 2006636-0090	D. Jacoby A. Sentissi M. Egan	Nationalized

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
	AU 2008285364 2006636-0106		Pending
	CA 2696303 2006636-0107		Pending
	EP 2006636-0108		Pending
	JP 2006636-0109		Pending
	US 12/672,069 <i>Entry: Feb. 3, 2010</i> 2006636-0110	Assignment: 1 Reel/Frame: 023095 / 0292 Received: 08/13/2009 Recorded: 08/13/2009 Mailed: 08/18/2009 Pages: 6 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Assignors: JACOBY, DOUGLAS Exec Dt: 07/27/2009 SENTISSI, ABDELLAH Exec Dt: 07/27/2009 EGAN, E. MICHAEL Exec Dt: 07/27/2009	Pending

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FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
		Assignee: TRANSMOLECULAR, INC. 840 MEMORIAL DRIVE SECOND FLOOR CAMBRIDGE, MASSACHUSETTS 02139	
SYSTEMIC ADMINISTRATION OF CHLOROTOXIN AGENTS FOR DIAGNOSIS AND TREATMENT OF CANCER	60/979,714 October 12, 2007	A. O'Neill D. Jacoby (TransMolecular Inc.)	Converted
	2006636-0085 PCT/US08/79547 October 10, 2008	A. O'Neill D. Jacoby	Pending <i>national phases in AU, CA, CN, EP, JP, IN, and US</i>
	2006636-0094		Pending
	AU 2008310664		Pending
	2006636-0112 CA 2702314		Pending
	2006636-0113 CN		Pending
	920088011242.0 Entered April 12, 2010		Pending
	2006636-0114 EP 08837002.8		Pending
	2006636-0115 JP 2010-529095		Pending
	2006636-0116 IN		Pending

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FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
	2489/DELNP/2010 2006636-0117		
	US 12/682,692 <i>Entered on 4/12/10</i> 2006636-0118	Assignment: 1 Reel/Frame: 023999 / 0232 Received: 02/26/2010 Recorded: 02/26/2010 Mailed: 02/26/2010 Pages: 6	Pending
		Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Assignors: O'NEILL, ALISON Exec Dt: 01/07/2010 JACOBY, DOUGLAS B. Exec Dt: 01/07/2010 SENTISSI, ABDELLAH Exec Dt: 01/07/2010 Assignee: TRANSMOLECULAR, INC. 840 MEMORIAL DRIVE SECOND FLOOR CAMBRIDGE, MASSACHUSETTS 02139 Assignment: 2 Reel/Frame: 024231 / 0352 Received: 04/14/2010 Recorded: 04/14/2010 Mailed:	

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
		04/14/2010 Pages: 6 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Assignors: O'NEILL, ALISON Exec Dt: 01/07/2010 JACOBY, DOUGLAS B. Exec Dt: 01/07/2010 SENTISSI, ABDELLAH Exec Dt: 01/07/2010 Assignee: TRANSMOLECULAR, INC. 840 MEMORIAL DRIVE SECOND FLOOR CAMBRIDGE, MASSACHUSETTS 02139	
ANTI-ANGIOGENIC EFFECTS OF CHLOROTOXIN AGENTS	61/038,383 March 20, 2008 2006636-0087	D. Jacoby A. Sentissi K. Kesavan M. Egan	Converted
	PCT/US08/76740 September 17, 2008	D. Jacoby A. Sentissi K. Kesavan M. Egan	Nationalized
	2006636-0091 AU 2008352925 2006636-0137		Pending

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
	CA 2718854 2006636-0138		Pending
	CN 200880129307.4 2006636-0139		Pending
	EP 08873442.1 2006636-0140		Pending
	IN 6592/CHENP/2010 2006636-0142		Pending
	JP 2011-500759		Pending
	2006636-0141 US 12/933,638 September 20, 2010 2006636-0143	Assignment: 1 Reel/Frame: 023095 / 0357 Received: 08/13/2009 Recorded: 08/13/2009 Mailed: 08/18/2009 Pages: 6 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Assignors: JACOBY, DOUGLAS B. Exec Dt: 07/27/2009 SENTISSI, ABDELLAH	Pending

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
		Exec Dt: 07/27/2009 EGAN, E. MICHAEL Exec Dt: 07/25/2009 Assignee: TRANSMOLECULAR, INC. 840 MEMORIAL DRIVE SECOND FLOOR CAMBRIDGE, MASSACHUSETTS 02139 Assignment: 2 Reel/Frame: 025034 / 0593 Received: 09/23/2010 Recorded: 09/23/2010 Mailed: 09/23/2010 Pages: 8 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Assignors: KESAVAN, KAMALA Exec Dt: 01/07/2010 JACOBY, DOUGLAS B. Exec Dt: 07/27/2009 SENTISSI, ABDELLAH Exec Dt: 07/27/2009 EGAN, E. MICHAEL Exec Dt: 07/25/2009	

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
		Assignee: TRANSMOLECULAR, INC. 840 MEMORIAL DRIVE SECOND FLOOR CAMBRIDGE, MASSACHUSETTS 02139	
TREATMENT OF METASTATIC TUMORS	61/053,651 May 15, 2008 2006636-0088		Converted
	PCT/US2009/0441 49 May 15, 2009	A. O'Neill D. Jacoby A. Sentissi K. Kesavan M. Egan	
	2006636-0098 US 12/466599 May 15, 2009 2006636-0099	Assignment: 1 Reel/Frame: 023095 / 0357 Received: 08/13/2009 Recorded: 08/13/2009 Mailed: 08/18/2009 Pages: 6 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Assignors: JACOBY, DOUGLAS B. Exec Dt: 07/27/2009 SENTISSI, ABDELLAH Exec Dt: 07/27/2009 EGAN, E. MICHAEL	

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
		Exec Dt: 07/25/2009 Assignee: TRANSMOLECULAR, INC. 840 MEMORIAL DRIVE SECOND FLOOR CAMBRIDGE, MASSACHUSETTS 02139 Assignment: 2 Reel/Frame: 025034 / 0593 Received: 09/23/2010 Recorded: 09/23/2010 Mailed: 09/23/2010 Pages: 8 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Assignors: KESAVAN, KAMALA Exec Dt: 01/07/2010 JACOBY, DOUGLAS B. Exec Dt: 07/27/2009 SENTISSI, ABDELLAH Exec Dt: 07/27/2009 EGAN, E. MICHAEL Exec Dt: 07/25/2009 Assignee: TRANSMOLECULAR, INC. 840 MEMORIAL DRIVE	

This Schedule A expressly includes any patent application or patent claiming priority to the listed patent applications and patents.

FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
		SECOND FLOOR CAMBRIDGE, MASSACHUSETTS 02139	
	AU 2009246142 (05/15/2009) 2006636-0145		Pending
	BR 2006636-0146		Pending
	CA 2724384 2006636-0147		Pending
	CN 200980123047.4 2006636-0148		Pending
	EP 09747680.8 2006636-0149		Pending
	IL 209252 2006636-0150		Pending
	IN 8034/CHENP/2010 2006636-0151		Pending
	JP 2006636-0152		Pending

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FAMILY	APPN	INVENTORS (ASSIGNEES / APPLICANT)	STATUS
	ZA 2010/08140 2006636-0153		Pending
REDUCED LYSINE DERIVATIVES of CHLOROTOXIN	US 61/301,615 Feb. 4, 2010 2006636-0103 PCT/ US11/23823 February 4, 2011 2006636-0156	A. Sentissi D. Jacoby A. Sentissi D. Jacoby	Converted PCT only Pending; not yet published
CHLOROTOXIN- TAXOL CONJUGATES	US 61/255419 October 27, 2009 2006636-0105	A. Sentissi D. Jacoby	Not converted

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FAMILY	APPN	INVENTORS (ASSIGNEES/ APPLICANT)	STATUS
SODIUM CHANNEL (5007)	60/365,550 March 20, 2002		
	2006636-0037		
	PCT/US03/0861 1 March 20, 2003	M. Gonda; J.D. Greenwood (Transmolecular)	Completed National applns. filed: AU 2003215015 CA 2479158 EP 14855467 JP 100094318 US 10/508965
	WO 03/080570 Oct. 2, 2003		
	2006636-0038 AU 2003215015	(Transmolecular)	Abandoned
	2006636-0040 CA 2479158	(Transmolecular)	Abandoned
	2006636-0041 EP 14855467 (03711657.1)	(Transmolecular)	Abandoned
	2006636-0042 JP 100094318 (2003-578326)	(Transmolecular)	Abandoned

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FAMILY	APPN	INVENTORS (ASSIGNEES/ APPLICANT)	STATUS
	2006636-0043 US 10/508965 April 11, 2005 2007-0065904 March 22, 2007 2006636-0039	(Transmolecular) Assignment: 1 Reel/Frame: 016045 / 0211 Received: 04/08/2005 Recorded: 04/08/2005 Mailed: 05/21/2005 Pages: 3 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Assignors: GONDA, MATTHEW A. Exec Dt: 10/11/2004 GREENWOOD, JOHN D. Exec Dt: 10/11/2004 Assignee: TRANSMOLECULAR, INC. ONE PERIMETER PARK SOUTH SUITE 400 NORTH BIRMINGHAM, ALABAMA 35243	Abandoned

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