

TRADEMARK ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNS THE ENTIRE INTEREST AND THE GOODWILL

**CONVEYING PARTY DATA**

Name	Formerly	Execution Date	Entity Type
TransTech Pharma, Inc.		11/14/2013	CORPORATION: DELAWARE

**RECEIVING PARTY DATA**

<b>Name:</b>	TransTech Pharma, LLC
<b>Street Address:</b>	4170 Mendenhall Oaks Parkway
<b>City:</b>	High Point
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27265
<b>Entity Type:</b>	LIMITED LIABILITY COMPANY: DELAWARE

**PROPERTY NUMBERS Total: 8**

Property Type	Number	Word Mark
Registration Number:	2790399	TRANSTECH PHARMA
Registration Number:	2790400	TRANSTECH PHARMA
Registration Number:	2758306	TTPREDICT
Registration Number:	2758308	TTP TRANSLATIONAL TECHNOLOGY
Registration Number:	2758311	TTPSCREEN
Registration Number:	2771000	AT THE FRONTIER OF TRANSLATING INNOVATIV
Registration Number:	2790398	TTPOSTGENE
Registration Number:	2758309	TTPSPACE

**CORRESPONDENCE DATA**

Fax Number: 3368417020  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

Phone: 336-841-0300 ext 159  
 Email: patentmail@ttpharma.com  
 Correspondent Name: Samuel B. Rollins

CH \$215.00 2790399

Address Line 1: 4170 Mendenhall Oaks Parkway  
Address Line 4: High Point, NORTH CAROLINA 27265

ATTORNEY DOCKET NUMBER: TM1000US - TM1007US

NAME OF SUBMITTER: Samuel B. Rollins

Signature: /Samuel B. Rollins/

Date: 11/21/2013

Total Attachments: 14  
source=Assignment#page1.tif  
source=Assignment#page2.tif  
source=Assignment#page3.tif  
source=Assignment#page4.tif  
source=Assignment#page5.tif  
source=Assignment#page6.tif  
source=Assignment#page7.tif  
source=Assignment#page8.tif  
source=Assignment#page9.tif  
source=Assignment#page10.tif  
source=Assignment#page11.tif  
source=Assignment#page12.tif  
source=Assignment#page13.tif  
source=Assignment#page14.tif

## ASSIGNMENT AND ASSUMPTION AGREEMENT

THIS ASSIGNMENT AND ASSUMPTION AGREEMENT (this "Agreement") is made and entered into as of the 14th day of November 2013, by and between TransTech Pharma, Inc., a Delaware corporation ("TTP"), and TransTech Pharma, LLC, a Delaware limited liability company ("Newco").

### RECITALS

WHEREAS, TTP desires to contribute to Newco all the assets of TTP, as set forth on Schedule A (the "Contributed Assets") and in exchange for the Contributed Assets, Newco agrees to (i) assume all the liabilities of TTP, as set forth on Schedule B (the "Assumed Liabilities"); (ii) issue to TTP the limited liability company interests of Newco set forth on Schedule C (the "Interests"); and (iii) indemnify and hold harmless TTP for any and all liabilities of TTP, known or unknown, that currently exist or may arise in the future.

NOW, THEREFORE, for and in consideration of the mutual covenants and agreements herein contained, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

### AGREEMENT


1. Contribution of Contributed Assets. TTP hereby contributes to Newco all right, title and interest in and to the Contributed Assets.
2. Acceptance of Contribution, Assumption of Liabilities, Issuance of Interests and Indemnification. Newco hereby accepts the Contributed Assets, and in consideration for such Contributed Assets, Newco hereby (i) assumes the Assumed Liabilities; (ii) issues to TTP the Interests; and (iii) agrees to indemnify and hold harmless TTP for any and all liabilities of TTP, known or unknown, that currently exist or may arise in the future, including the Assumed Liabilities.
3. Future Cooperation on Subsequent Documents. The parties agree to cooperate from and after the date hereof with respect to the matters described in this Agreement, and each agrees to execute such further assignments, amendments, or other documents reasonably requested in order to give effect to, evidence or give notice of the transactions described herein.
4. Modification and Waiver. No supplement, modification, waiver or termination of this Agreement or any of the provisions hereof shall be binding unless executed in writing by the parties to be bound thereby. No waiver of any of the provisions of this Agreement shall constitute a waiver of any other provision (whether or not similar), nor shall such waiver constitute a continuing waiver unless otherwise expressly provided.
5. Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the parties hereto, their respective successors, successors-in-title, legal representatives and assigns.

6. Governing Law. This Agreement shall be governed by the laws of the State of Delaware, without giving effect to principles of conflicts of laws.
7. Severability of Provisions. If any provision of this Agreement, or the application of such provision to any person or circumstance, is invalid or unenforceable, the remainder of this Agreement, or the application of such provision to persons or circumstances other than those as to which it is invalid or unenforceable, shall not be affected by such invalidity or unenforceability, and the parties hereto expressly authorize any court of competent jurisdiction to modify any such provision in order that such provision shall be enforced by such court to the fullest extent permitted by applicable law.
8. Counterparts. This Agreement may be executed in multiple counterparts, each of which shall for all purposes be deemed to be an original and all of which, when taken together, shall constitute one and the same instrument. This Agreement may be executed and delivered by facsimile or other electronic transmission.

*[Signatures commence on the following page.]*


IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by as of the date and year first written above.

**TransTech Pharma, Inc.**

By:   
Name: Stephen L. Holcombe  
Title: Senior Vice President and Chief Financial Officer

**TransTech Pharma, LLC**

By: TRANSTECH PHARMA, INC., its sole Member

By:   
Name: Stephen L. Holcombe  
Title: Senior Vice President and Chief Financial Officer

[Signature Page to Assignment and Assumption Agreement]

Schedule A

Contributed Assets

All assets of TTP, including, without limitation, the following:

1. The assets of TTP set forth in the Summary Balance Sheet attached hereto as Exhibit A the “Summary Balance Sheet”).

2. TTP’s rights under the contracts set forth on Exhibit B (the “Assigned Contracts”).

3. The following Patents owned by TTP:

File No.	Country	App. No.	App. Date	Patent No.	Issue Date
037.9P1	US	61/772,022	4-Mar-13		
0378.204-PCT	PCT	PCT/US2013/041076	15-May-13		
2000-01-AT-A	Austria	01939581.3	25-May-01	1284959 (299860)	20-Jul-05
2000-01-AU-A	Australia	65083/01	25-May-01	780368	30-Jun-05
2000-01-AU-B	Australia	2005200425	25-May-01	2005200425	30-Apr-09
2000-01-BE-A	Belgium	01939581.3	25-May-01	1284959	20-Jul-05
2000-01-CA-A	Canada	2,379,695	25-May-01	2,379,695	27-Nov-07
2000-01-CH-A	Switzerland	01939581.3	25-May-01	1284959	20-Jul-05
2000-01-DE-A	Germany	01939581.3	25-May-01	1284959 (60112079)	20-Jul-05
2000-01-DE-B	Germany	05076535.3	25-May-01	1642888 (60145617.3)	2-Nov-11
2000-01-DK-A	Denmark	01939581.3	25-May-01	1284959	20-Jul-05
2000-01-ES-A	Spain	01939581.3	25-May-01	1284959 (2243506)	20-Jul-05
2000-01-ES-B	Spain	05076535.3	25-May-01	1642888 (2373557)	2-Nov-11
2000-01-FR-A	France	01939581.3	25-May-01	1284959	20-Jul-05
2000-01-FR-B	France	05076535.3	25-May-01	1642888	2-Nov-11
2000-01-GB-A	United Kingdom	01939581.3	25-May-01	1284959	20-Jul-05
2000-01-GB-B	United Kingdom	05076535.3	25-May-01	1642888	2-Nov-11
2000-01-HK-A	Hong Kong	03103492.4	25-May-01	1052338	3-Mar-06
2000-01-IE-A	Ireland	01939581.3	25-May-01	1284959	20-Jul-05
2000-01-IE-B	Ireland	05076535.3	25-May-01	1642888	2-Nov-11
2000-01-IT-A	Italy	01939581.3	25-May-01	1284959	20-Jul-05
2000-01-IT-B	Italy	05076535.3	25-May-01	1642888 (47892/BE/2012)	2-Nov-11
2000-01-JP-A	Japan	2002-500825	25-May-01	4451058	5-Feb-10
2000-01-LU-A	Luxembourg	01939581.3	25-May-01	1284959	20-Jul-05
2000-01-MC-A	Monaco	01939581.3	25-May-01	1284959	20-Jul-05
2000-01-MX-A	Mexico	PA/a/2002/001099	25-May-01	235807	11-Apr-06
2000-01-SE-A	Sweden	01939581.3	25-May-01	1284959	20-Jul-05
2000-01-US-A	US	09/799,317	5-Mar-01	6,613,801	2-Sep-03
2000-01-US-B	US	10/611,741	1-Jul-03	7,067,554	27-Jun-06
2000-02-AT-A	Austria	01941698.1	30-May-01	1305635 (E339689)	13-Sep-06
2000-02-AU-A	Australia	200175029	30-May-01	782461	10-Nov-05
2000-02-BE-A	Belgium	01941698.1	30-May-01	1305635	13-Sep-06

File No.	Country	App. No.	App. Date	Patent No.	Issue Date
2000-02-CA-A	Canada	2,379,521	30-May-01	2,379,521	4-Apr-06
2000-02-CH-A	Switzerland	01941698.1	30-May-01	1305635	13-Sep-06
2000-02-DE-A	Germany	01941698.1	30-May-01	1305635 (60123075.2-08)	13-Sep-06
2000-02-DK-A	Denmark	01941698.1	30-May-01	1305635	13-Sep-06
2000-02-ES-A	Spain	01941698.1	30-May-01	1305635 (2271028)	13-Sep-06
2000-02-FR-A	France	01941698.1	30-May-01	1305635	13-Sep-06
2000-02-GB-A	United Kingdom	01941698.1	30-May-01	1305635	13-Sep-06
2000-02-IE-A	Ireland	01941698.1	30-May-01	1305635	13-Sep-06
2000-02-IT-A	Italy	01941698.1	30-May-01	1305635	13-Sep-06
2000-02-JP-A	Japan	2002-501048	30-May-01	4723792	15-Apr-11
2000-02-LU-A	Luxembourg	01941698.1	30-May-01	1305635	13-Sep-06
2000-02-MC-A	Monaco	01941698.1	30-May-01	1305635	13-Sep-06
2000-02-MX-A	Mexico	PA/a/2002/001103	30-May-01	241583	30-Oct-06
2000-02-SE-A	Sweden	01941698.1	30-May-01	1305635	13-Sep-06
2000-02-US-A	US	09/799,152	5-Mar-01	6,908,741	21-Jun-05
2000-02-US-B	US	11/005,843	7-Dec-04	7,374,891	20-May-08
2000-07-AU-A	Australia	81296/01	6-Jul-01	776188	1-Apr-04
2000-07-US-A	US	09/611,393	7-Jul-00	6,539,334	25-Mar-03
2000-07-US-B	US	10/332,114	6-Jul-01	6,898,549	24-May-05
2001-04-US-B	US	12/901,133	8-Oct-10		
2001-07-AU-A	Australia	2002245590	5-Mar-02	2002245590	5-Jan-07
2001-07-AU-B	Australia	2006203512	5-Mar-02	2006203512	22-Oct-09
2001-07-CA-A	Canada	2,440,037	5-Mar-02	2,440,037	16-Feb-10
2001-07-CN-A	China	02805957.3	5-Mar-02	ZL 02805957.3	11-Jan-06
2001-07-US-A	US	10/091,609	5-Mar-02	7,087,632	8-Aug-06
2001-07-US-B	US	11/225,277	13-Sep-05	7,329,684	12-Feb-08
2001-14/16-US-A	US	10/274,546	18-Oct-02	6,933,303	23-Aug-05
2001-15-US-A	US	10/273,795	18-Oct-02	7,022,730	4-Apr-06
2001-21-AU-A	Australia	2002245591	5-Mar-02	2002245591	13-Sep-07
2001-21-AU-B	Australia	2007203289	5-Mar-02	2007203289	26-Aug-10
2001-21-CA-A	Canada	2,440,042	5-Mar-02	2,440,042	27-Sep-11
2001-21-CN-A	China	02805994.8	5-Mar-02	ZL 02805994.8	7-Dec-11
2001-21-US-A	US	10/091,759	5-Mar-02	7,423,177	9-Sep-08
2001-21-US-B	US	12/019,045	24-Jan-08	7,776,919	17-Aug-10
2002-01-AT-A	Austria	03713918.5	5-Mar-03	1482931 (E 529 110)	19-Oct-11
2002-01-AU-A	Australia	2003217943	5-Mar-03	2003217943	16-Aug-07
2002-01-AU-B	Australia	2007202350	5-Mar-03	2007202350	12-Nov-09
2002-01-AU-C	Australia	2009202814	5-Mar-03	2009202814	27-Oct-11
2002-01-BE-A	Belgium	03713918.5	5-Mar-03	1482931	19-Oct-11
2002-01-CA-A	Canada	2,476,594	5-Mar-03	2,476,594	9-Oct-12
2002-01-CH-A	Switzerland	03713918.5	5-Mar-03	1482931	19-Oct-11
2002-01-CN-A	China	03805204.0	5-Mar-03	ZL 03805204.0	12-Aug-09
2002-01-DE-A	Germany	03713918.5	5-Mar-03	1482931(60338810.8)	19-Oct-11
2002-01-DK-A	Denmark	03713918.5	5-Mar-03	1482931	19-Oct-11
2002-01-ES-A	Spain	03713918.5	5-Mar-03	1482931 (2373875)	19-Oct-11

File No.	Country	App. No.	App. Date	Patent No.	Issue Date
2002-01-FR-A	France	03713918.5	5-Mar-03	1482931	19-Oct-11
2002-01-GB-A	United Kingdom	03713918.5	5-Mar-03	1482931	19-Oct-11
2002-01-HK-A	Hong Kong	03713918.5	5-Mar-03	1069549	6-Jul-12
2002-01-IE-A	Ireland	03713918.5	5-Mar-03	1482931	19-Oct-11
2002-01-IT-A	Italy	03713918.5	5-Mar-03	1482931 (47615/BE/2012)	19-Oct-11
2002-01-JP-A	Japan	2003-574195	5-Mar-03	4481011	26-Mar-10
2002-01-LU-A	Luxembourg	03713918.5	5-Mar-03	1482931	19-Oct-11
2002-01-MC-A	Monaco	03713918.5	5-Mar-03	1482931	19-Oct-11
2002-01-MO-A	Macau	J/000383	5-Mar-03	J/000383	17-Nov-09
2002-01-NL-A	Netherlands	03713918.5	5-Mar-03	1482931	19-Oct-11
2002-01-SE-A	Sweden	03713918.5	5-Mar-03	1482931	19-Oct-11
2002-01-US-A	US	10/382,203	5-Mar-03	7,361,678	22-Apr-08
2002-01-US-B	US	11/511,163	28-Aug-06	7,714,013	11-May-10
2002-01-US-C	US	11/800,085	3-May-07	7,737,285	15-Jun-10
2002-04-US-A	US	10/411,568	10-Apr-03	7,146,384	5-Dec-06
2002-06-US-A	US	10/637,900	8-Aug-03	7,122,580	17-Oct-06
2003-02-US-A	US	10/913,168	6-Aug-04	7,544,699	9-Jun-09
2003-07-US-A	US	10/913,882	6-Aug-04	7,501,538	10-Mar-09
2003-08-US-A	US	10/913,216	6-Aug-04	7,459,472	2-Dec-08
2003-11-AU-A	Australia	2005223660	18-Mar-05	2005223660	6-Oct-11
2003-11-CA-A	Canada	2,559,723	18-Mar-05	2,559,723	23-Feb-10
2003-11-CH-A	Switzerland	05725848.5	18-Mar-05	1730526	6-Jan-10
2003-11-CN-A	China	200580008732.4	18-Mar-05	ZL 200580008732.4	30-Nov-11
2003-11-DE-A	Germany	05725848.5	18-Mar-05	1730526 (602005018751.0)	6-Jan-10
2003-11-ES-A	Spain	05725848.5	18-Mar-05	1730526 (2337699)	6-Jan-10
2003-11-FR-A	France	05725848.5	18-Mar-05	1730526	6-Jan-10
2003-11-GB-A	United Kingdom	05725848.5	18-Mar-05	1730526	6-Jan-10
2003-11-IE-A	Ireland	05725848.5	18-Mar-05	1730526	6-Jan-10
2003-11-IT-A	Italy	05725848.5	18-Mar-05	1730526 (47991/BE/2010)	6-Jan-10
2003-11-JP-A	Japan	2007-504131	18-Mar-05	4607950	15-Oct-10
2003-11-MX-A	Mexico	PA/a/2006/010659	18-Mar-05	276537	10-Jun-10
2003-11-NZ-A	New Zealand	549847	18-Mar-05	549847	10-Dec-09
2004-01-AU-A	Australia	2005214349	11-Feb-05	2005214349	16-Feb-12
2004-01-CA-A	Canada	2,551,909	11-Feb-05	2,551,909	11-Oct-11
2004-01-JP-A	Japan	2006-553310	11-Feb-05	4898458	6-Jan-12
2004-01-NZ-A	New Zealand	548208	11-Feb-05	548208	8-Jan-11
2004-01-ZA-A	South Africa	2006/05526	11-Feb-05	2006/05526	28-Nov-07
2004-02-AU-A	Australia	2005236055	20-Apr-05	2005236055	19-Jan-12
2004-02-CA-A	Canada	2,562,075	20-Apr-05	2,562,075	14-Aug-12
2004-02-JP-A	Japan	2007-509585	20-Apr-05	4879165	9-Dec-11
2004-02-MX-A	Mexico	PA/a/2006/012130	20-Apr-05		
2004-02-NZ-A	New Zealand	550114	20-Apr-05	550114	7-Jun-11
2004-02-US-A	US	11/110,499	20-Apr-05	7,820,704	26-Oct-10
2004-02-ZA-A	South Africa	2006/08225	20-Apr-05	2006/08225	30-Jan-08



File No.	Country	App. No.	App. Date	Patent No.	Issue Date
2004-03-US-A	US	11/197,644	3-Aug-05		
2004-04-AU-A	Australia	2005271452	3-Aug-05	2005271452	16-Feb-12
2004-04-BB-A	Barbados	2001/1293	3-Aug-05	BB 0000 091 A	24-Nov-11
2004-04-BR-A	Brazil	PI0514052-8	3-Aug-05		
2004-04-CA-A	Canada	2,570,324	3-Aug-05		
2004-04-CN-A	China	200580025947.7	3-Aug-05		
2004-04-CU-A	Cuba	2007-0033	3-Aug-05	23703	10-Jun-11
2004-04-DZ-A	Algeria	070090	3-Aug-05	5022	25-Oct-09
2004-04-EA-A	Eurasia	200700404	3-Aug-05	012082	28-Aug-09
2004-04-EP-A	EPO	05778764.0	3-Aug-05		
2004-04-GE-A	Georgia	AP 2005 009904	3-Aug-05	P5110	29-Nov-10
2004-04-HK-A	Hong Kong	07108801.5	3-Aug-05		
2004-04-ID-A	Indonesia	W-00 2007 00369	3-Aug-05		
2004-04-IL-A	Israel	180554	3-Aug-05		
2004-04-IN-A	India	0797/DELNP/2007	3-Aug-05		
2004-04-JP-A	Japan	2007-524978	3-Aug-05	5188804	1-Feb-13
2004-04-KR-A	South Korea	10-2007-7005152	3-Aug-05		
2004-04-MA-A	Morocco	29650	3-Aug-05	29067	3-Dec-07
2004-04-MN-A	Mongolia	3928	3-Aug-05	2971	2-Mar-07
2004-04-MX-A	Mexico	MX/A/2007/001559	3-Aug-05	293182	5-Dec-11
2004-04-NO-A	Norway	20065949	3-Aug-05		
2004-04-NZ-A	New Zealand	552128	3-Aug-05	552128	7-Jan-10
2004-04-OA-A	OAPI	1200700051	3-Aug-05	13656	28-Dec-07
2004-04-PH-A	Philippines	1-2006-502586	3-Aug-05	1-2006-502586	10-Feb-12
2004-04-SG-A	Singapore	200700364-3	3-Aug-05	129082	28-Feb-11
2004-04-UA-A	Ukraine	2007 02273	3-Aug-05	93356	10-Feb-11
2004-04-US-A	US	11/197,038	3-Aug-05	7,901,688	8-Mar-11
2004-04-US-B	US	11/629,437	12-Apr-07	7,981,423	19-Jul-11
2004-04-US-C	US	12/983,604	3-Jan-11		
2004-04-US-D	US	12/986,602	7-Jan-11		
2004-04-UZ-A	Uzbekistan	IAP20070074	3-Aug-05	IAP04034	30-Oct-09
2004-04-VN-A	Vietnam	1-2007-00486	3-Aug-05		
2004-04-ZA-A	South Africa	2007/00643	3-Aug-05	2007/00643	28-Jul-10
2004-04-ZA-B	South Africa	2007/00643	3-Aug-05	2009/06459	26-May-10
2005-01-US-A	US	11/069,521	1-Mar-05	7,208,601	24-Apr-07
2006-01-AU-A	Australia	2007211319	30-Jan-07	2007211319	3-May-12
2006-01-BR-A	Brazil	PI0707338-0	30-Jan-07		
2006-01-CA-A	Canada	2,637,024	30-Jan-07	2,637,024	14-May-13
2006-01-CN-A	China	200780003942.3	30-Jan-07	ZL200780003942.3	25-Apr-12
2006-01-EA-A	Eurasia	200870218	30-Jan-07		
2006-01-EP-A	EPO	07763040.8	30-Jan-07		
2006-01-HK-A	Hong Kong	09104978.9	30-Jan-07	HK1127342	25-Apr-12
2006-01-IL-A	Israel	192557	30-Jan-07		
2006-01-IN-A	India	6050/DELNP/2008	30-Jan-07		
2006-01-JP-A	Japan	2008-553332	30-Jan-07	5180099	18-Jan-13
2006-01-KR-A	South Korea	10-2008-7021180	30-Jan-07		
2006-01-MO-A	Macau	J/000800	30-Jan-07	J/000800	22-Aug-12

File No.	Country	App. No.	App. Date	Patent No.	Issue Date
2006-01-MX-A	Mexico	MX/a/2008/008929	30-Jan-07		
2006-01-NZ-A	New Zealand	569329	30-Jan-07	569329	9-Jan-12
2006-01-SG-A	Singapore	200804987-6	30-Jan-07	144278	15-Jul-11
2006-01-US-A	US	11/699,780	30-Jan-07	7,723,369	25-May-10
2006-01-US-B	US	12/685,178	11-Jan-10	8,404,731	26-Mar-13
2006-01-US-C	US	13/412,747	6-Mar-12		
2006-01-ZA-A	South Africa	2008/05648	30-Jan-07	2008/05648	30-Sep-09
2006-04-AU-A	Australia	2007215247	9-Feb-07	2007215247	25-Mar-13
2006-04-BR-A	Brazil	PI0708034-4	9-Feb-07		
2006-04-CA-A	Canada	2,641,744	9-Feb-07	2,641,744	25-Sep-12
2006-04-CN-A	China	200780004785.8	9-Feb-07	ZL 200780004785.8	23-May-12
2006-04-EP-A	EPO	07750418.1	9-Feb-07		
2006-04-HK-A	Hong Kong	09104027.0	9-Feb-07	HK1125631	23-May-12
2006-04-IL-A	Israel	192580	9-Feb-07		
2006-04-IN-A	India	6441/DELNP/2008	9-Feb-07		
2006-04-JP-A	Japan	2008-554398	9-Feb-07	5188988	1-Feb-13
2006-04-MO-A	Macau	J/000803	9-Feb-07	J/000803	22-Aug-12
2006-04-MX-A	Mexico	MX/a/2008/009811	9-Feb-07	290324	21-Sep-11
2006-04-US-A	US	11/704,431	9-Feb-07	7,820,821	26-Oct-10
2006-04-US-B	US	12/703,604	10-Feb-10	8,377,983	19-Feb-13
2006-06-AN-A	Netherlands Antilles	2000476	7-Feb-07	2000476	8-Apr-08
2006-06-EA-A	Eurasia	200870244	23-Jan-07	015657	31-Oct-11
2006-06-MX-A	Mexico	MX/a/2008/009593	23-Jan-07	295639	7-Feb-12
2006-06-SG-A	Singapore	200805133-6	23-Jan-07	144380	15-Sep-11
2006-06-ZA-A	South Africa	2008/06288	23-Jan-07	2008/06288	31-Mar-10
2006-07-AN-A	Netherlands Antilles	2000626	4-May-07	2000626	20-May-08
2006-07-AN-B	Netherlands Antilles	2001551	4-May-07	2001551	7-May-09
2006-07-AN-H	Netherlands Antilles	2001557	4-May-07	2001557	7-May-09
2006-07-AU-A	Australia	2007248784	25-Apr-07		
2006-07-AW-A	Aruba	OCT-07/070504	4-May-07	07/070504	12-Sep-08
2006-07-BR-A	Brazil	PI0711193-2	25-Apr-07		
2006-07-CA-A	Canada	2,651,348	25-Apr-07		
2006-07-CN-A	China	200780018207.X	25-Apr-07		
2006-07-EA-A	Eurasia	200870502	25-Apr-07	017291	30-Nov-12
2006-07-EP-A	EPO	07794379.3	25-Apr-07		
2006-07-HK-A	Hong Kong	09111125.6	25-Apr-07		
2006-07-IL-A	Israel	194482	25-Apr-07		
2006-07-IN-A	India	9250/DELNP/2008	25-Apr-07		
2006-07-JP-A	Japan	2009-509615	25-Apr-07		
2006-07-MX-A	Mexico	MX/A/2008/013863	25-Apr-07		
2006-07-NZ-A	New Zealand	571692	25-Apr-07	571692	7-May-12
2006-07-SG-B	Singapore	201103296-8	25-Apr-07		
2006-07-US-A	US	11/789,637	25-Apr-07	7,981,424	19-Jul-11
2006-07-US-B	US	13/158,748	13-Jun-11	8,344,120	1-Jan-13

File No.	Country	App. No.	App. Date	Patent No.	Issue Date
2006-07-ZA-A	South Africa	2008/09394	25-Apr-07	2008/09394	29-Jul-09
2006-09-EP-CH	Switzerland	07839756.9	24-Oct-07	2077987	24-Nov-10
2006-09-EP-DE	Germany	07839756.9	24-Oct-07	2077987 (602007010812.8)	24-Nov-10
2006-09-EP-FR	France	07839756.9	24-Oct-07	2077987	24-Nov-10
2006-09-EP-GB	United Kingdom	07839756.9	24-Oct-07	2077987	24-Nov-10
2006-09-EP-IE	Ireland	07839756.9	24-Oct-07	2077987	24-Nov-10
2007-01-CA-A	Canada	2,681,864	12-Mar-08		
2007-01-JP-A	Japan	2010-502079	12-Mar-08		
2007-01-US-A	US	12/046,872	12-Mar-08	7,884,219	8-Feb-11
2007-01-US-B	US	12/982,775	30-Dec-10	8,372,988	12-Feb-13
2008-03-AE-A	United Arab Emirates	915/2010	6-Mar-09		
2008-03-AU-A	Australia	2009221722	6-Mar-09		
2008-03-BH-A	Bahrain	89/2010	6-Mar-09		
2008-03-BR-A	Brazil	PI0910282-5	6-Mar-09		
2008-03-CA-A	Canada	2,716,664	6-Mar-09		
2008-03-CN-A	China	200980108115.X	6-Mar-09		
2008-03-DZ-A	Algeria	100608	6-Mar-09	7419	29-Dec-11
2008-03-EA-A	Eurasia	201071045	6-Mar-09		
2008-03-EG-A	Egypt	PCT 1493/2010	6-Mar-09		
2008-03-EP-A	EPO	09718287.7	6-Mar-09		
2008-03-HK-A	Hong Kong	11102525.7	6-Mar-09		
2008-03-IL-A	Israel	207570	6-Mar-09		
2008-03-IN-A	India	6085/DELNP/2010	6-Mar-09		
2008-03-JP-A	Japan	2010-549910	6-Mar-09		
2008-03-KR-A	South Korea	10-2010-7020688	6-Mar-09		
2008-03-MA-A	Morocco	33212	6-Mar-09	32175	1-Mar-11
2008-03-ME-A	Montenegro	P-2010/143	6-Mar-09		
2008-03-MX-A	Mexico	MX/a/2010/009752	6-Mar-09	300256	14-Jun-12
2008-03-MX-B	Mexico	MX/a/2012/006223	6-Mar-09		
2008-03-NZ-A	New Zealand	587343	6-Mar-09	587343	3-Sep-12
2008-03-OM-A	Oman	171/2010	6-Mar-09		
2008-03-SG-A	Singapore	201006155-4	6-Mar-09	164144 [WO 2009/111700]	30-Apr-13
2008-03-TN-A	Tunisia	TN2010/0373	6-Mar-09		
2008-03-US-A	US	12/399,504	6-Mar-09	7,727,983	1-Jun-10
2008-03-US-B	US	12/759,010	13-Apr-10	7,790,714	7-Sep-10
2008-03-US-C	US	12/849,225	3-Aug-10	7,906,507	15-Mar-11
2008-03-US-D	US	12/872,580	31-Aug-10		
2008-03-ZA-A	South Africa	2010/06367	6-Mar-09	2010/06367	25-May-11
2008-06-US-A	US	12/936,434	5-Oct-10		
2008-07-US-A	US	12/547,018	25-Aug-09		
2009-01-AE-A	United Arab Emirates	959/2011	30-Mar-10		
2009-01-AU-A	Australia	2010232750	30-Mar-10		
2009-01-BH-A	Bahrain	99/2011	30-Mar-10		
2009-01-BR-A	Brazil	PI10135790	30-Mar-10		

File No.	Country	App. No.	App. Date	Patent No.	Issue Date
2009-01-CA-A	Canada	2,757,084	30-Mar-10		
2009-01-CN-A	China	201080015264.4	30-Mar-10		
2009-01-DZ-A	Algeria	110674	30-Mar-10		
2009-01-EA-A	Eurasia	201171197	30-Mar-10		
2009-01-EG-A	Egypt	1598/2011 PCT	30-Mar-10		
2009-01-EP-A	EPO	10779665.8	30-Mar-10		
2009-01-HK-A	Hong Kong	12104614.4	30-Mar-10		
2009-01-IL-A	Israel	214822	30-Mar-10		
2009-01-IN-A	India	6636/DELNP/2011	30-Mar-10		
2009-01-JP-A	Japan	2012-503599	30-Mar-10		
2009-01-KR-A	South Korea	10-2011-7024153	30-Mar-10		
2009-01-MA-A	Morocco	34280	30-Mar-10		
2009-01-MX-A	Mexico	MX/a/2011/010347	30-Mar-10		
2009-01-OM-A	Oman	OM/P/2011/00210	30-Mar-10		
2009-01-SG-A	Singapore	201106311-2	30-Mar-10		
2009-01-TN-A	Tunisia	TN2011/0437	30-Mar-10		
2009-01-US-A	US	12/825,631	29-Jun-10	8,383,644	26-Feb-13
2009-01-US-B	US	13/707,265	6-Dec-12		
2009-01-ZA-A	South Africa	2011/06441	30-Mar-10		
2009-03-CA-A	Canada	2,772,797	23-Sep-10		
2009-03-EP-A	EPO	10757925.2	23-Sep-10		
2009-03-JP-A	Japan	2012-532199	23-Sep-10		
2009-03-TW-A	Taiwan	099132288	23-Sep-10		
2009-03-US-A	US	12/888,660	23-Sep-10		
2009-04-US-A	US	13/265,132	18-Oct-11		
2010-01-CA-A	Canada	2,788,355	15-Feb-11		
2010-01-EP-A	EPO	11745116.1	15-Feb-11		
2010-01-JP-A	Japan	2012-553968	15-Feb-11		
2010-01-TW-A	Taiwan	100104976	15-Feb-11		
2010-01-US-A	US	13/028,036	15-Feb-11	8,431,575	30-Apr-13
2010-01-US-B	US	13/772,685	21-Feb-13		
2010-02-CA-A <sup>†</sup>	Canada	2789244	19-Oct-10		
2010-02-EP-A <sup>†</sup>	EPO	10773766.0	19-Oct-10		
2010-02-JP-A <sup>†</sup>	Japan	2012-553874	19-Oct-10		
2010-02-TW-A <sup>†</sup>	Taiwan	100105575	18-Feb-11		
2010-02-US-A <sup>†</sup>	US	13/062,395	4-Mar-11		
2010-05-AU-A	Australia	2011258460	24-May-11		
2010-05-BR-A	Brazil	BR 11 2012 029844	24-May-11		
2010-05-CA-A	Canada	2,799,591	24-May-11		
2010-05-CN-A	China	201180025744.3	24-May-11		
2010-05-EA-A	Eurasia	201201617	24-May-11		
2010-05-EP-A	EPO	11787250.7	24-May-11		
2010-05-GCC-A	GCC	GC 2011-18476	25-May-11		
2010-05-IL-A	Israel	223137	24-May-11		
2010-05-IN-A	India	10658/CHENP/2012	24-May-11		
2010-05-JO-A	Jordan	170/2011	24-May-11		
2010-05-JP-A	Japan	2013-512164	24-May-11		

File No.	Country	App. No.	App. Date	Patent No.	Issue Date
2010-05-KR-A	South Korea	10-2012-7033687	24-May-11		
2010-05-MX-A	Mexico	MX/a/2012/013617	24-May-11		
2010-05-NZ-A	New Zealand	603614	24-May-11		
2010-05-SG-A	Singapore	201208508-0	24-May-11		
2010-05-TW-A	Taiwan	100118368	25-May-11		
2010-05-US-A	US	13/114,964	24-May-11		
2010-05-ZA-A	South Africa	2012/08834	24-May-11		
2011-01-PCT	PCT	PCT/US2012/020307	5-Jan-12		
2012-01-PCT	PCT	PCT/US2013/033091	20-Mar-13		
2012-02-P1	US	61/710,229	5-Oct-12		
2013-01-P1	US	61/753,567	17-Jan-13		
2013-02-P1	US	61/771,969	4-Mar-13		
2013-03-P1	US	61/828,040	28-May-13		
6694.204-JP	Japan	2006-540176	24-Nov-04	4800964	12-Aug-11
6694.204-US	US	11/439,820	24-May-06	7,812,043	12-Oct-10
6694.214-US	US	12/895,761	30-Sep-10	8,148,413	3-Apr-12
6808.205-BG	Bulgaria	05700554.8	6-Jan-05	1723128	7-Nov-12
6808.205-CY	Cyprus	05700554.8	6-Jan-05	1723128	7-Nov-12
6808.205-EE	Estonia	05700554.8	6-Jan-05	1723128	7-Nov-12
6808.205-HK	Hong Kong	07107531.4	13-Jul-07	HK1103074	17-Aug-12
6808.205-IS	Iceland	05700554.8	6-Jan-05	1723128	7-Nov-12
6808.205-LT	Lithuania	05700554.8	6-Jan-05	1723128	7-Nov-12
6808.205-LU	Luxembourg	05700554.8	6-Jan-05	1723128	7-Nov-12
6808.205-MC	Monaco	05700554.8	6-Jan-05	1723128	7-Nov-12
6808.205-RO	Romania	05700554.8	6-Jan-05	1723128	7-Nov-12
6808.205-SI	Slovenia	05700554.8	6-Jan-05	1723128	7-Nov-12
6808.205-SK	Slovakia	05700554.8	6-Jan-05	1723128	7-Nov-12
6937.204-AU	Australia	2005311269	5-Dec-05	2005311269	23-Feb-12
6937.204-KR	South Korea	10-2007-7015055	5-Dec-05	10-1066882	16-Sep-11
6937.204-MX	Mexico	MX/a/2007/006420	5-Dec-05	303022	4-Sep-12
6937.204-US	US	11/791,200	13-Nov-07	8,148,412	3-Apr-12
6937.204-ZA	South Africa	2007/05393	5-Dec-05	2007/05393	27-Jan-10
6937.214-US	US	13/022,937	8-Feb-11		
7112.204-AU	Australia	2006268589	14-Jul-06	2006268589	12-Jan-12
7112.204-BR	Brazil	PI0612996-0	14-Jul-06		
7112.204-CA	Canada	2,615,938	14-Jul-06		
7112.204-CN	China	200680033512.1	14-Jul-06	ZL200680033512.1	24-Apr-13
7112.204-IL	Israel	188244	14-Jul-06		
7112.204-IN	India	10025/DELNP/2007	14-Jul-06		
7112.204-KR	South Korea	10-2008-7002805	14-Jul-06		
7112.204-MX	Mexico	MX/a/2008/000255	14-Jul-06	305666	30-Nov-12
7112.204-NO	Norway	20080746	14-Jul-06		
7112.204-RU	Russia	2007147046	14-Jul-06	2443691	27-Feb-12
7112.204-ZA	South Africa	2008/00341	14-Jul-06	2008/00341	31-Dec-08
7112.205-HK	Hong Kong	08112906.0	14-Jul-06		
7112.214-RU	Russia	2011144438	3-Nov-11		
7127.204-US	US	12/298,840	28-Oct-08	8,211,925	3-Jul-12

File No.	Country	App. No.	App. Date	Patent No.	Issue Date
7127.205-CH	Switzerland	07728628.4	27-Apr-07	2019823	24-Nov-10
7127.205-DE	Germany	07728628.4	27-Apr-07	2019823 (602007010764.4)	27-Apr-11
7127.205-ES	Spain	07728628.4	27-Apr-07	2019823 (2354917)	27-Apr-11
7127.205-FR	France	07728628.4	27-Apr-07	2019823	27-Apr-11
7127.205-GB	United Kingdom	07728628.4	27-Apr-07	2019823	27-Apr-11
7127.205-IE	Ireland	07728628.4	27-Apr-07	2019823	27-Apr-11
7127.205-IT	Italy	07728628.4	27-Apr-07	2019823	27-Apr-11
7208.204-US	US	11/994,718	9-Jul-08	7,999,114	16-Aug-11
7208.205-DE	Germany	06777658.3	7-Jul-06	1904438	29-Feb-12
7208.205-ES	Spain	06777658.3	7-Jul-06	1904438	29-Feb-12
7208.205-FR	France	06777658.3	7-Jul-06	1904438	29-Feb-12
7208.205-GB	United Kingdom	06777658.3	7-Jul-06	1904438	29-Feb-12
7208.205-IT	Italy	06777658.3	7-Jul-06	1904438	29-Feb-12
7209.204-US	US	11/994,728	4-Jan-08	7,582,769	1-Sep-09
7253.205-EA	Eurasia	200870103	21-Dec-06	015717	31-Oct-11
7385.204-US	US	12/298,852	31-Dec-08	7,880,012	1-Feb-11
7562.204-US	US	12/522,286	14-Sep-09	8,138,185	20-Mar-12
7563.204-AU	Australia	2008-204530	8-Jan-08		
7563.204-CA	Canada	2,675,111	8-Jan-08		
7563.204-IL	Israel	199615	8-Jan-08		
7563.204-IN	India	4486/DELNP/2009	8-Jan-08		
77456-A*	US	11/197,644	3-Aug-05		

† Pursuant to a Biological Program Termination Agreement by and between TTP and Pfizer, TTP pays a royalty to Pfizer with respect to these patents (File No.'s 2010-02-CA-A, 2010-02-EP-A, 2010-02-JP-A, 2010-02-TW-A and 2010-02-US-A).

\* U.S. Patent Application Number 11/197,644 (File No. 77456-A) is jointly owned by TransTech Pharma, Inc. and The Trustees of Columbia University in the City of New York.

Schedule B

Assumed Liabilities

All liabilities of TTP, including, without limitation, the following:

1. The liabilities of TTP set forth in the Summary Balance Sheet.
2. TTP's liabilities under the Assigned Contracts.

Schedule C

Interests

All limited liability company interests in TransTech Pharma, LLC, a Delaware limited liability company.