

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3442647

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ADNAN M.M. MJALLI	08/03/2010
CHRISTOPHER BEHME	01/16/2009
DANIEL P. CHRISTEN	08/19/2010
DEVI REDDY GOHIMUKKULA	07/27/2010
DHARMA RAO POLISETTI	07/28/2010
JAMES QUADA	08/02/2010
JENNIFER L.R. FREEMAN	07/27/2010
KALPATHY SANTHOSH	07/28/2010
MURALIDHAR BONDLELA	07/28/2010
MUSTAFA GUZEL	08/02/2010
RAVINDRA REDDY YARRAGUNTA	08/02/2010
ROBERT CARL ANDREWS	08/02/2010
STEPHEN THOMAS DAVIS	07/30/2010
THOMAS SCOTT YOKUM	07/27/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TransTech Pharma, Inc.
<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>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14603556
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(336)841-7020
<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>	
<b>Phone:</b>	336-841-0300 EXT 159
<b>Email:</b>	patentmail@vtvtherapeutics.com

**Correspondent Name:** SAMUEL B. ROLLINS  
**Address Line 1:** 4170 MENDENHALL OAKS PARKWAY  
**Address Line 4:** HIGH POINT, NORTH CAROLINA 27265

**ATTORNEY DOCKET NUMBER:** 2009-01-US-C

**NAME OF SUBMITTER:** SAMUEL B. ROLLINS

**SIGNATURE:** /Samuel B. Rollins/

**DATE SIGNED:** 07/16/2015

**Total Attachments: 41**

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**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

For:  U.S. and/or  Foreign Rights  
For:  U.S. Application or  U.S. Patent  
For:  PCT Application

**ASSIGNMENT OF INVENTION BY MULTIPLE INVENTORS**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuation consideration,

**ASSIGNORS (Inventors):**

Adnan M.M. Mjalli  
Name of Inventor/Assignor

6421 Ashton Park Drive  
Oak Ridge, North Carolina 27310  
Address

United States  
Nationality

Christopher Behme  
Name of Inventor/Assignor

3392 Cherrybrook Drive  
Jamestown, NC 27282  
Address

United States  
Nationality

Daniel P. Christen  
Name of Inventor/Assignor

3345 Winter Brook Place  
Jamestown, North Carolina 27282  
Address

Switzerland  
Nationality

Devi Reddy Gohimukkula  
Name of Inventor/Assignor

4061 Cobbler Court  
Jamestown, NC 27282  
Address

United States  
Nationality

Dharma Rao Polisetti  
Name of Inventor/Assignor

3741 Deerfield Street  
High Point, North Carolina 27265  
Address

India  
Nationality

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

James Quada  
Name of Inventor/Assignor

3605 Nina Court  
High Point, NC 27265  
Address

United States  
Nationality

Jennifer L.R. Freeman  
Name of Inventor/Assignor

154 Surtees Road  
Winston-Salem, NC 27104  
Address

United States  
Nationality

Kalpathy Santhosh  
Name of Inventor/Assignor

4132 Tutbury Drive  
Jamestown, North Carolina 27282  
Address

India  
Nationality

Muralidhar Bondlela  
Name of Inventor/Assignor

6527 Overland Park Drive  
Greensboro, NC 27410  
Address

~~India~~ USA  
Nationality

*12/07/08/10*

Mustafa Guzel  
Name of Inventor/Assignor

4058 Gunsmith Court  
Jamestown, North Carolina 27282  
Address

Turkey  
Nationality

Ravindra Reddy Yarragunta  
Name of Inventor/Assignor

5001 Bass Chapel Rd. Apt. #1A  
Greensboro, NC 27455  
Address

United States  
Nationality

Robert Carl Andrews  
Name of Inventor/Assignor

3312 Morris Farm Drive  
Jamestown, North Carolina 27282  
Address

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

United States  
Nationality

Stephen Thomas Davis  
Name of Inventor/Assignor

1 Wateroaks Court  
Durham, North Carolina 27703  
Address

United States  
Nationality

Thomas Scott Yokum  
Name of Inventor/Assignor

5108 Hartridge Way  
Greensboro, North Carolina 27407  
Address

United States  
Nationality

hereby sells, assigns, and transfers to

**ASSIGNEE:**

TransTech Pharma, Inc.

4170 Mendenhall Oaks Pkwy  
High Point, North Carolina 27265  
Address

A Delaware Corporation

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title, and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority in and to any all improvements which are disclosed in the invention entitled:

**Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof**

and which is found in U.S. Patent Application Serial No. 12/825,631, filed June 29, 2010, Attorney Docket Number 2009-01-US-A, and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof;

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue, and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.


IN WITNESS WHEREOF, we have hereunto set our hands and seals,

**SIGNATURES ARE ON FOLLOWING PAGES**

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Adnan M.M. Mjalli  
Name of Inventor

  
Signature of Inventor

8/13/10  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

*NOTE: Executing this page is not required for assignment and is only prima facie evidence of execution. 35 USC 261.*

Details of Country  
and place of signing of assignment

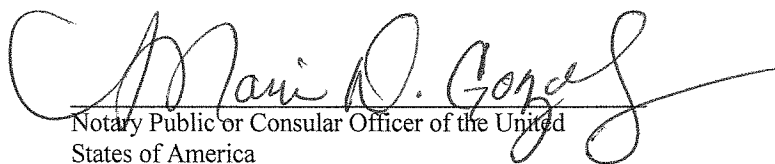
Guilford County  
North Carolina

Before me this 3<sup>rd</sup> day of August, 2010, personally appeared the above named individual, Adnan M.M. Mjalli, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of  his     her

own free will for the purpose therein expressed.



  
Notary Public or Consular Officer of the United States of America

My commission expires 10/14/2012



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Christopher Behme  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

*NOTE: Executing this page is not required for assignment and is only prima facie evidence of execution. 35 USC 261.*

Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Christopher Behme, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United  
States of America

My commission expires \_\_\_\_\_.

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Daniel P. Christen  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Daniel P. Christen, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United  
States of America

My commission expires \_\_\_\_\_.

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Devi Reddy Gohimukkula  
Name of Inventor

Devi Gohimukkula  
Signature of Inventor

07/27/10  
Date

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Details of Country  
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Guilford County  
North Carolina

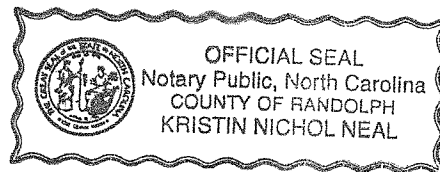
Before me this 27<sup>th</sup> day of July, 2010, personally appeared the above named individual, Devi Reddy Gohimukkula, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

Kristin Nichol Neal  
Notary Public or Consular Officer of the United States of America

My commission expires January 9, 2015



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Dharma Rao Polisetti  
Name of Inventor

P. Dharma Rao  
Signature of Inventor

07/28/2010.  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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Details of Country  
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North Carolina

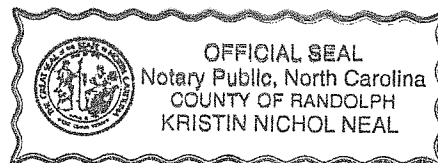
Before me this 28<sup>th</sup> day of July, 2010, personally appeared the above named individual, Dharma Rao Polisetti, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

Kristin Nichol Neal  
Notary Public or Consular Officer of the United States of America

My commission expires January 9, 2015.



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

James Quada  
Name of Inventor

*James C Quada*  
Signature of Inventor

Aug 2 2010  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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Details of Country  
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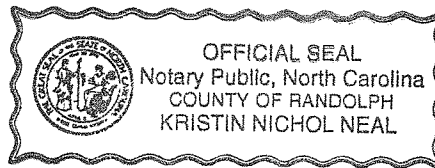
Before me this 2nd day of August, 2010, personally appeared the above named individual, James Quada, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

*Kristin Nichol Neal*  
Notary Public or Consular Officer of the United States of America

My commission expires January 9, 2015.



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Jennifer L.R. Freeman  
Name of Inventor

Jennifer L.R. Freeman  
Signature of Inventor

7/27/2010  
Date

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Details of Country  
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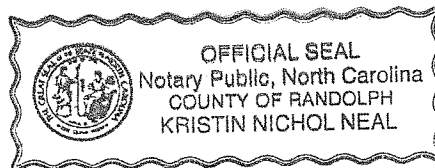
Before me this 27<sup>th</sup> day of July, 2010, personally appeared the above named individual, Jennifer L.R. Freeman, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of    his    her

own free will for the purpose therein expressed.

Kristin Nichol Neal  
Notary Public or Consular Officer of the United  
States of America

My commission expires January 9, 2015.



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Kalpathy Santhosh  
Name of Inventor

*[Signature]*  
Signature of Inventor

7/28/2010  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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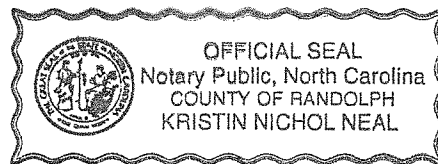
Before me this 28<sup>th</sup> day of July, 2010, personally appeared the above named individual, Kalpathy Santhosh, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

*Kristin Nichol Neal*  
Notary Public or Consular Officer of the United  
States of America

My commission expires January 9, 2015.



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Muralidhar Bondlela  
Name of Inventor

B. Muralidhar  
Signature of Inventor

07/28/10  
Date

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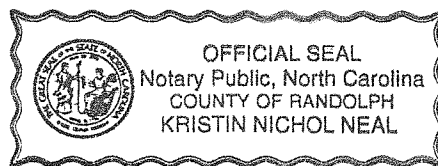
Before me this 28<sup>th</sup> day of July, 2010, personally appeared the above named individual, Muralidhar Bondlela, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of  his     her

own free will for the purpose therein expressed.

Kristin Nichol Neal  
Notary Public or Consular Officer of the United States of America

My commission expires January 9, 2015.



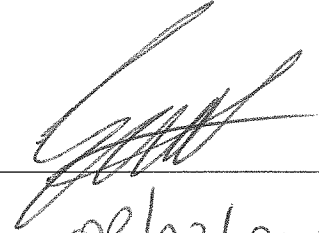


**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Mustafa Guzel  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor



\_\_\_\_\_  
Date

08/02/2010

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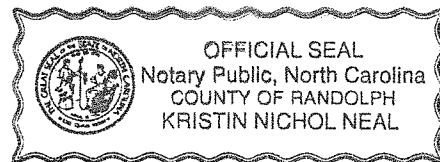
Before me this 2<sup>nd</sup> day of August, 2010, personally appeared the above named individual, Mustafa Guzel, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

Kristin Nichol Neal  
Notary Public or Consular Officer of the United  
States of America

My commission expires January 9, 2015.



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Ravindra Reddy Yarragunta  
Name of Inventor

*RRY*  
Signature of Inventor  
*8/2/10*  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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Guilford County  
North Carolina

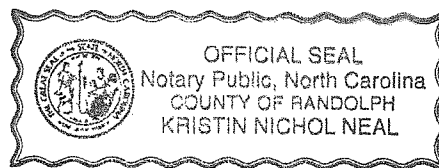
Before me this 2nd day of August, 2010, personally appeared the above named individual, Ravindra Reddy Yarragunta, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of  his     her

own free will for the purpose therein expressed.

*Kristin Nichol Neal*  
Notary Public or Consular Officer of the United  
States of America

My commission expires January 9, 2015.



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Robert Carl Andrews  
Name of Inventor

*Robert Carl Andrews*  
Signature of Inventor

8/2/2010  
Date

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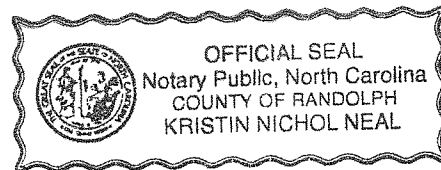
Before me this 2nd day of August, 2010, personally appeared the above named individual, Robert Carl Andrews, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

*Kristin Nichol Neal*  
Notary Public or Consular Officer of the United  
States of America

My commission expires January 9, 2015 .



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Stephen Thomas Davis  
Name of Inventor

Stephen Davis  
Signature of Inventor

7/30/2010  
Date

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and place of signing of assignment

Guilford County  
North Carolina

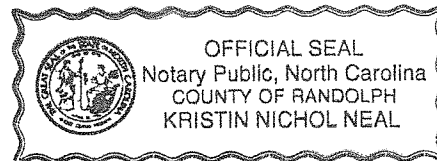
Before me this 30<sup>th</sup> day of July, 2010, personally appeared the above named individual, Stephen Thomas Davis, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

Kristin Nichol Neal  
Notary Public or Consular Officer of the United States of America

My commission expires January 9, 2015.



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Thomas Scott Yokum  
Name of Inventor

*TS Yokum*  
Signature of Inventor

7/27/10  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

*NOTE: Executing this page is not required for assignment and is only prima facie evidence of execution. 35 USC 261.*

Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

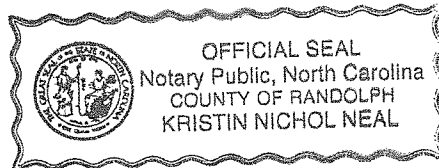
Before me this 27<sup>th</sup> day of July, 2010, personally appeared the above named individual, Thomas Scott Yokum, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

*Kristin Nichol Neal*  
Notary Public or Consular Officer of the United States of America

My commission expires January 9, 2015.



PATENT

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

For:  U.S. and/or  Foreign Rights  
For:  U.S. Application or  U.S. Patent  
For:  PCT Application

ASSIGNMENT OF INVENTION BY MULTIPLE INVENTORS

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuation consideration,

ASSIGNORS (Inventors):

Adnan M.M. Mjalli  
Name of Inventor/Assignor

6421 Ashton Park Drive  
Oak Ridge, North Carolina 27310  
Address

United States  
Nationality

Christopher Behme  
Name of Inventor/Assignor

3392 Cherrybrook Drive  
Jamestown, NC 27282  
Address

United States  
Nationality

Daniel P. Christen  
Name of Inventor/Assignor

3345 Winter Brook Place  
Jamestown, North Carolina 27282  
Address

Switzerland  
Nationality

Devi Reddy Gohimukkula  
Name of Inventor/Assignor

4061 Cobbler Court  
Jamestown, NC 27282  
Address

United States  
Nationality

Dharma Rao Poliseti  
Name of Inventor/Assignor

3741 Deerfield Street  
High Point, North Carolina 27265  
Address

India  
Nationality

PATENT

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

James Quada  
Name of Inventor/Assignor

3605 Nina Court  
High Point, NC 27265  
Address

United States  
Nationality

Jennifer L.R. Freeman  
Name of Inventor/Assignor

154 Surtees Road  
Winston-Salem, NC 27104  
Address

United States  
Nationality

Kalpathy Santhosh  
Name of Inventor/Assignor

4132 Tutbury Drive  
Jamestown, North Carolina 27282  
Address

India  
Nationality

Muralidhar Bondlela  
Name of Inventor/Assignor

6527 Overland Park Drive  
Greensboro, NC 27410  
Address

India  
Nationality

Mustafa Guzel  
Name of Inventor/Assignor

4058 Gunsmith Court  
Jamestown, North Carolina 27282  
Address

Turkey  
Nationality

Ravindra Reddy Yarragunta  
Name of Inventor/Assignor

5001 Bass Chapel Rd. Apt. #1A  
Greensboro, NC 27455  
Address

United States  
Nationality

Robert Carl Andrews  
Name of Inventor/Assignor

3312 Morris Farm Drive  
Jamestown, North Carolina 27282  
Address

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

United States  
Nationality

Stephen Thomas Davis  
Name of Inventor/Assignor

1 Wateroaks Court  
Durham, North Carolina 27703  
Address

United States  
Nationality

Thomas Scott Yokum  
Name of Inventor/Assignor

5108 Hartridge Way  
Greensboro, North Carolina 27407  
Address

United States  
Nationality

hereby sells, assigns, and transfers to

**ASSIGNEE:**

TransTech Pharma, Inc.

4170 Mendenhall Oaks Pkwy  
High Point, North Carolina 27265  
Address

A Delaware Corporation

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title, and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority in and to any all improvements which are disclosed in the invention entitled:

**Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof**

and which is found in U.S. Patent Application Serial No. 12/825,631, filed June 29, 2010, Attorney Docket Number 2009-01-US-A, and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof;

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue, and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, we have hereunto set our hands and seals,

**SIGNATURES ARE ON FOLLOWING PAGES**

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Adnan M.M. Mjalli  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

*NOTE: Executing this page is not required for assignment and is only prima facie evidence of execution. 35 USC 261.*

Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Adnan M.M. Mjalli, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United States of America

My commission expires \_\_\_\_\_.

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Christopher Behme  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

*NOTE: Executing this page is not required for assignment and is only prima facie evidence of execution. 35 USC 261.*

Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Christopher Behme, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United States of America

My commission expires \_\_\_\_\_.

PATENT

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Daniel P. Christen  
Name of Inventor

*Dan Christen*  
Signature of Inventor

8/19/2010  
Date

NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT

NOTE: Executing this page is not required for assignment and is only prima facie evidence of execution. 35 USC 261.

Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

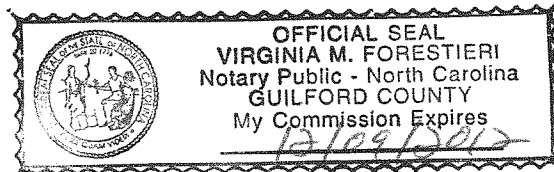
Before me this 19<sup>th</sup> day of August, 2010, personally appeared the above named individual, Daniel P. Christen, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he  she  
executed the same of  his  her

own free will for the purpose therein expressed.

*Virginia M. Forestieri*  
Notary Public or Consular Officer of the United  
States of America

My commission expires 12/09/2012



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Devi Reddy Gohimukkula  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

*NOTE: Executing this page is not required for assignment and is only prima facie evidence of execution. 35 USC 261.*

Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Devi Reddy Gohimukkula, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United States of America

My commission expires January 9, 2015.

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Dharma Rao Poliseti  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Dharma Rao Poliseti, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United  
States of America

My commission expires January 9, 2015.

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

James Quada  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, James Quada, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of  his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United States of America

My commission expires January 9, 2015.

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Jennifer L.R. Freeman  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Jennifer L.R. Freeman, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United  
States of America

My commission expires January 9, 2015 .



**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Kalpathy Santhosh  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Kalpathy Santhosh, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of  his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United  
States of America

My commission expires January 9, 2015.

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Muralidhar Bondlela  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

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Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Muralidhar Bondlela, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of  his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United  
States of America

My commission expires January 9, 2015.

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Mustafa Guzel  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Mustafa Guzel, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United States of America

My commission expires January 9, 2015 .

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Ravindra Reddy Yarragunta  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Ravindra Reddy Yarragunta, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United  
States of America

My commission expires January 9, 2015 .

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Robert Carl Andrews  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Robert Carl Andrews, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United  
States of America

My commission expires January 9, 2015 .

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical  
Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Stephen Thomas Davis  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

*NOTE: Executing this page is not required for assignment and is only prima facie evidence of execution. 35 USC 261.*

Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Stephen Thomas Davis, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United  
States of America

My commission expires January 9, 2015 .

**PATENT**

Title: Substituted Azoanthracene Derivatives, Pharmaceutical Compositions, and Methods of Use Thereof  
Application Serial No.: 12/825,631  
Attorney Docket No.: 2009-01-US-A

Thomas Scott Yokum  
Name of Inventor

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
Date

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

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Details of Country  
and place of signing of assignment

Guilford County  
North Carolina

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared the above named individual, Thomas Scott Yokum, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that

he                       she  
executed the same of     his     her

own free will for the purpose therein expressed.

\_\_\_\_\_  
Notary Public or Consular Officer of the United States of America

My commission expires January 9, 2015 .

AGREEMENT AND GENERAL RELEASE

TransTech Pharma, Inc. ("TransTech") and Christopher Behme Employee's heirs, executors, administrators, successors, and assigns (collectively referred to throughout this Agreement as "Employee"), agree that:

1. Last Day of Employment. Employee's last day of employment with TransTech is January 5, 2009.

2. Consideration. In consideration for signing this Agreement and General Release, and complying with its terms, TransTech agrees:

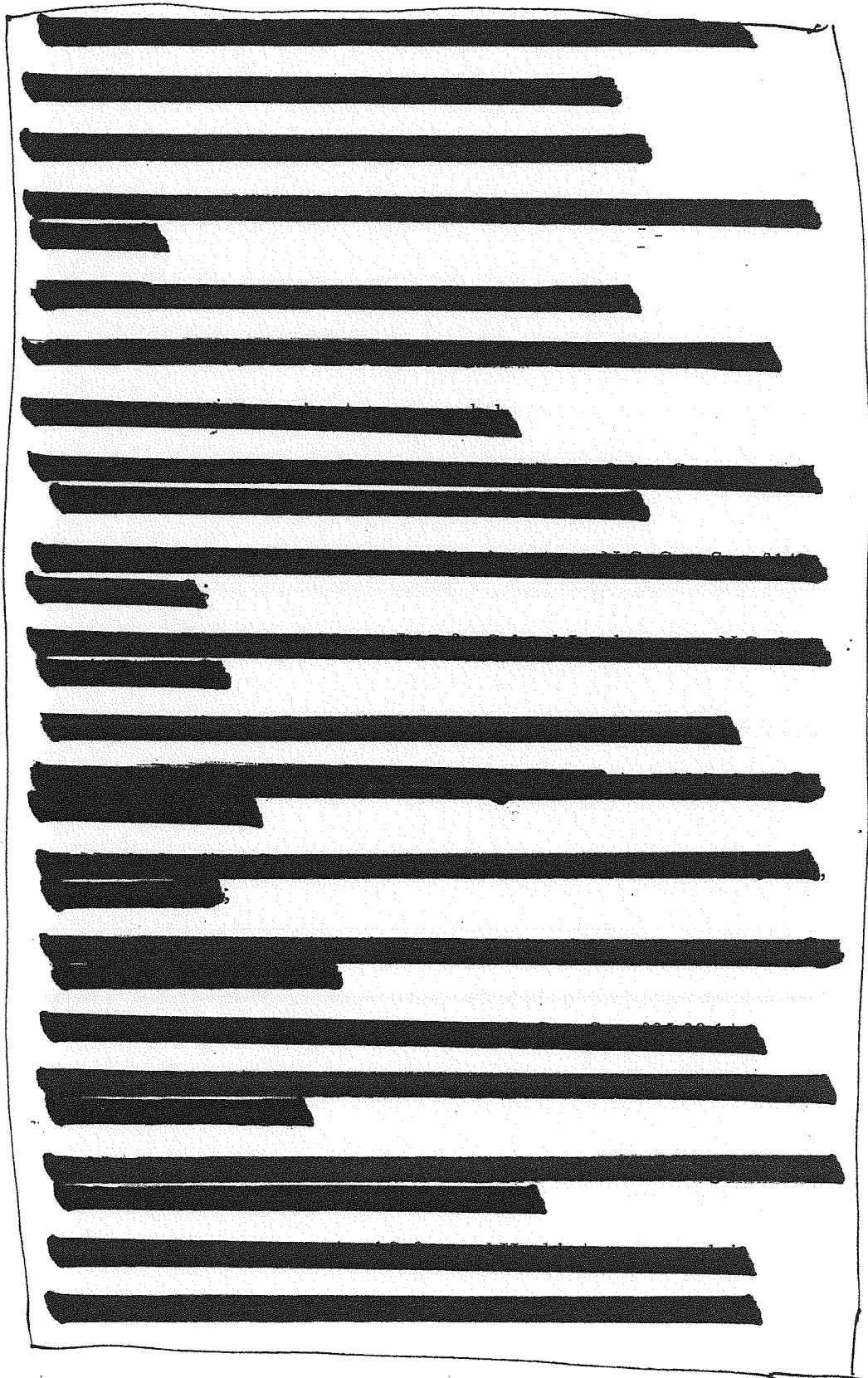
a. to pay to Employee [REDACTED] less lawful withholdings and deductions, which represents one month of salary at Employee's base rate of pay. This amount will be paid to Employee within fifteen (15) business days after TransTech's receipt of the original of this Agreement and General Release signed by Employee.

[REDACTED]

3. No Consideration Absent Execution of this Agreement. Employee understands and agrees that Employee would not receive the monies and/or benefits specified in paragraph "2" above, except for Employee's execution of this Agreement and General Release and the fulfillment of the promises contained herein.

[REDACTED]





[REDACTED]

Employee hereby assigns to TransTech without royalty or any other further consideration his/her entire right, title and interest in and to any Invention Employee is required to disclose to TransTech under the Employee Agreement.

*keep*

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

8. **Governing Law and Interpretation.** This Agreement and General Release shall be governed and conformed in accordance with the laws of North Carolina without regard to its conflict of laws provision. In the event of a breach of any provision of this Agreement and General Release, either party may institute an action specifically to enforce any term or terms of this Agreement and General Release and/or to seek any damages for breach. Should any provision of this Agreement and General Release be declared illegal or unenforceable by any court of competent jurisdiction and cannot be modified to be enforceable, excluding the general release language, such provision shall immediately become null and void, leaving the remainder of this Agreement and General Release in full force and effect.

[REDACTED]

10. **Amendment.** This Agreement and General Release may not be modified, altered or changed except in writing and signed by both Parties wherein specific reference is made to this Agreement and General Release.

11. **Entire Agreement.** This Agreement and General Release sets forth the entire agreement between the Parties hereto, and fully supersedes any prior agreements or understandings between the Parties, except the Employment Agreement which is incorporated herein by reference. Employee acknowledges that Employee has not relied on any representations, promises, or agreements of any kind made to Employee in connection with Employee's decision to accept this Agreement and General Release, except for those set forth in this Agreement and General Release.

[REDACTED]

EMPLOYEE MAY REVOKE THIS AGREEMENT AND GENERAL RELEASE FOR A PERIOD OF SEVEN (7) CALENDAR DAYS FOLLOWING THE DAY EMPLOYEE SIGNS THIS AGREEMENT AND GENERAL RELEASE. ANY REVOCATION WITHIN THIS PERIOD MUST BE SUBMITTED, IN WRITING, TO *NICOLE PEMBERTON* AND STATE, "I HEREBY REVOKE MY ACCEPTANCE OF OUR AGREEMENT AND GENERAL RELEASE." THE REVOCATION MUST BE PERSONALLY DELIVERED TO *NICOLE PEMBERTON* OR HER DESIGNEE, OR MAILED TO *NICOLE PEMBERTON* AND POSTMARKED WITHIN SEVEN (7) CALENDAR DAYS AFTER EMPLOYEE SIGNS THIS AGREEMENT AND GENERAL RELEASE.

EMPLOYEE AGREES THAT ANY MODIFICATIONS, MATERIAL OR OTHERWISE, MADE TO THIS AGREEMENT AND GENERAL RELEASE, DO NOT RESTART OR AFFECT IN ANY MANNER THE ORIGINAL UP TO FORTY-FIVE (45) CALENDAR DAY CONSIDERATION PERIOD.

EMPLOYEE FREELY AND KNOWINGLY, AND AFTER DUE CONSIDERATION, ENTERS INTO THIS AGREEMENT AND GENERAL RELEASE INTENDING TO WAIVE, SETTLE AND RELEASE ALL CLAIMS EMPLOYEE HAS OR MIGHT HAVE AGAINST RELEASEES AS OF THE DATE OF EXECUTION OF THIS AGREEMENT AND GENERAL RELEASE.

The Parties knowingly and voluntarily sign this Agreement and General Release as of the date(s) set forth below:

By: *Christopher Behme*  
Christopher Behme

Date: 1/16/09

TRANSTECH PHARMA, INC.

By: *Nicole Pemberton*  
Nicole Pemberton  
Human Resources Manager

Date: 1/5/09