

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JAMES T. DALTON	10/23/2014
MITCHELL S. STEINER	10/27/2014
RAMESH NARAYANAN	10/17/2014
SUNJOO AHN	10/14/2014
RECEIVING PARTY DATA	
Name:	GTX, INC.
Street Address:	175 TOYOTA PLAZA
Internal Address:	7TH FLOOR
City:	MEMPHIS
State/Country:	TENNESSEE
Postal Code:	38103
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14798208
CORRESPONDENCE DATA	
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<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>	
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Address Line 1:	1500 BROADWAY
Address Line 2:	12TH FLOOR
Address Line 4:	NEW YORK, NEW YORK 10036
ATTORNEY DOCKET NUMBER:	P-74233-US3
NAME OF SUBMITTER:	MICHELLA EBURNE
SIGNATURE:	/MICHELLA EBURNE/
DATE SIGNED:	07/19/2017
Total Attachments: 5	

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ASSIGNMENT

In consideration of One Dollar (1.00), and other good and valuable consideration, the Receipt of which is hereby acknowledged, I the undersigned, **James T. DALTON** residing at 9896 Rue Bienville Place, Lakeland, TN 38002; **Mitchell S. STEINER** residing at 2600 Forest-Hill Irene Road Germantown, TN 38139; **Ramesh NARAYANAN** residing at 487 Herring Lane, Cordova, TN 38018; **Sunjoo Ahn** residing at 202Ho, 893-7 Jijok-dong, Yuseong-gu Daejeon, South Korea, 305-330

Hereby sell, assign and transfer to GTx, Inc., located at 175 Toyota Plaza, 7th Floor, Memphis, TN 38103 its successors, assigns and legal representatives (hereinafter, the "Assignee"), the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and as possessed by the undersigned, any and all inventions which are disclosed but not claimed in the application for United States Patent U.S. Serial No. 13/953,492 filed July 29, 2013 and is entitled

**A METHOD OF TREATING ESTROGEN RECEPTOR (ER) -POSITIVE BREAST CANCERS
WITH SELECTIVE ANDROGEN RECEPTOR MODULATOR (SARMS)**

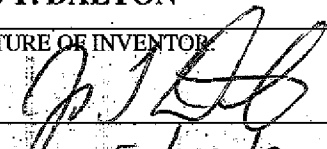
and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions; and including the Assignor's right in and to all revenue, income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment;

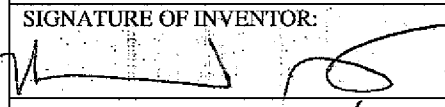
Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

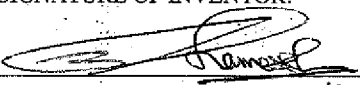
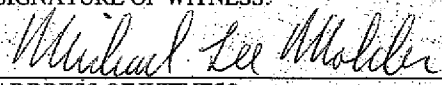
Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the

International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the under-signed or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

COVENANT with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

FULL NAME OF INVENTOR: James T. DALTON	FULL NAME OF WITNESS: <i>Michael Lee Mohler</i>
SIGNATURE OF INVENTOR: 	SIGNATURE OF WITNESS: <i>Michael Lee Mohler</i>
DATE: <u>5 / 12 / 2013</u> (day / month / year)	ADDRESS OF WITNESS: <i>6472 Patmore Rd. Memphis, TN 38134</i>

FULL NAME OF INVENTOR: Mitchell S. STEINER	FULL NAME OF WITNESS: <i>Michael Lee Mohler</i>
SIGNATURE OF INVENTOR: 	SIGNATURE OF WITNESS: <i>Michael Lee Mohler</i>
DATE: <u>4 / 12 / 2013</u> (day / month / year)	ADDRESS OF WITNESS: <i>6472 Patmore Rd. Memphis, TN 38134</i>

FULL NAME OF INVENTOR: Ramesh NARAYANAN	FULL NAME OF WITNESS: <i>Michael Lee Mobler</i>
SIGNATURE OF INVENTOR: 	SIGNATURE OF WITNESS: 
DATE: <u>05/12/2013</u> (day / month / year)	ADDRESS OF WITNESS: <i>6472 Patmore Rd. Memphis, TN 38134</i>

FULL NAME OF INVENTOR: Sunjoo Ahn	FULL NAME OF WITNESS:
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:
DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

ASSIGNMENT

In consideration of One Dollar (1.00), and other good and valuable consideration, the Receipt of which is hereby acknowledged, I the undersigned, **James T. DALTON** residing at 9896 Rue Bienville Place, Lakeland, TN 38002; **Mitchell S. STEINER** residing at 2600 Forest-Hill Irene Road Germantown, TN 38139; **Ramesh NARAYANAN** residing at 487 Herring Lane, Cordova, TN 38018 **Sunjoo Ahn** residing at 202Ho, 893-7 Jijok-dong, Yuseong-gu Daejeon, South Korea, 305-330

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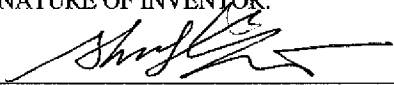
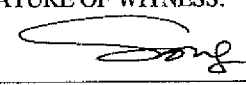
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and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions; and including the Assignor's right in and to all revenue, income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted; and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment;

Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the

FULL NAME OF INVENTOR: Ramesh NARAYANAN	FULL NAME OF WITNESS:
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:
DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

FULL NAME OF INVENTOR: Sunjoo Ahn	FULL NAME OF WITNESS: <i>Jin Sook Song</i>
SIGNATURE OF INVENTOR: 	SIGNATURE OF WITNESS: 
DATE: <u>17 / 12 / 2013</u> (day / month / year)	ADDRESS OF WITNESS: <i>141 Gajeongro Yuseong Daejeon South Korea (305-600)</i>