

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GenVec, Inc.	12/28/2005

RECEIVING PARTY DATA

Name:	Mytogen, Inc.
Street Address:	P.O. Box 50576
City:	Phoenix
State/Country:	ARIZONA
Postal Code:	85076-0576

PROPERTY NUMBERS Total: 11

Property Type	Number
Application Number:	60145849
Application Number:	10105035
Application Number:	60401449
Application Number:	10635212
Application Number:	60658887
Application Number:	60666932
Application Number:	60678976
PCT Number:	US0308518
Patent Number:	6432711
Patent Number:	5543316
Patent Number:	6673604

CORRESPONDENCE DATA

Fax Number: (602)734-3869

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Phone: (602) 262-5355

PATENT

500070755

REEL: 017006 FRAME: 0899

CH \$440.00 60145849

Email: patents@lrlaw.com  
Correspondent Name: Lucius L. Lockwood, Lewis and Roca LLP  
Address Line 1: 40 North Central Avenue, Suite 1900  
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ATTORNEY DOCKET NUMBER:

45852-1

NAME OF SUBMITTER:

Lucius L. Lockwood

**Total Attachments: 4**

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## PATENT ASSIGNMENT

WHEREAS, GenVec, Inc. ("GenVec"), a Delaware corporation, with an address at 65 West Watkins Mill Road, Gaithersburg, MD 20878, is the sole and exclusive owner of certain rights, title, and/or interest in and to the patents and patent applications identified on the attached Schedule 1; and

WHEREAS, Mytogen, Inc. ("Buyer"), a Delaware corporation, with an address at P.O. Box 50576, Phoenix, Arizona 85076-0576, is desirous of acquiring the entire right, title and interest in, to and under the aforesaid patents and patent applications;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound, GenVec hereby sells, assigns, transfers and sets over to Buyer its entire right, title and interest in, to and under the patents identified in Schedule 1, the patent applications identified on Schedule 1, and any and all inventions disclosed by the patent applications identified on Schedule 1, including any and all divisions, reissues, continuations and extensions thereof and in and to any Letters Patent that may be granted thereon, all said rights to be held and enjoyed by Buyer for its own use and enjoyment and for the use and enjoyment of its successors and assigns to the full end of the term or terms for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by GenVec if this assignment, transfer, and sale had not been made, and further including the right to recover damages and/or profits that have arisen from infringement of such patents and patents issuing from the patent applications;

And GenVec hereby authorizes and requests the Commissioner for Patents or other authority responsible for effectuating and/or recording assignments in the country involved, to indicate in its records that Buyer is the assignee of the entire right, title and interest in, to and under the patents and patent applications identified on Schedule 1, for the sole use and enjoyment of the Buyer, its successors and assigns.

IN TESTIMONY WHEREOF, GenVec has caused these presents to be signed as of this 28th day of December, 2005.

GENVEC, INC.

By: Paul Fischer  
[Name] Paul Fischer  
[Title] President and CEO

State of Maryland  
County of Montgomery

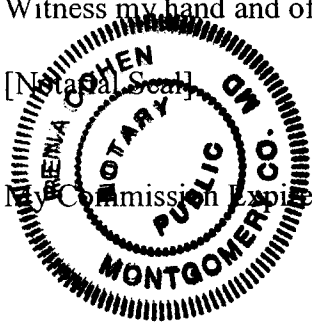
On Dec. 28, 2005 before me, Rena Chen, personally appeared Paul Fischer, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged

to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal.

[Notary Seal]

My Commission Expires:



Notary Public

7/1/2008

## SCHEDULE 1

### ASSIGNED PATENTS

Serial No./ Patent No.	Title	Inventors	Filing Date/ Issue Date	Status
US 6,432,711	<i>Embryonic Stem Cells Capable of Differentiating into Desired Cell Lines</i>	Jonathan Dinsmore et al.	August 13, 2002	<b>Issued</b>
EP 959024308	<i>Embryonic Stem Cells Capable of Differentiating into Desired Cell Lines</i>	Jonathan Dinsmore et al.	November 2, 1994	<b>Pending</b>
CA 2174746	<i>Embryonic Stem Cells Capable of Differentiating into Desired Cell Lines</i>	Jonathan Dinsmore et al.	November 2, 1994	<b>Pending</b>
US 5,543,316	<i>Injectable culture medium for maintaining viability of myoblast cells</i>	Agatha Zawadzka, Wen-Ghih Tsang and Robert H. Brown	August 6, 1996	<b>Issued</b>
US 60/145,849	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge	July 23, 1999	<b>Expired</b>
US 09/624,885 US 6,673,604	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge	July 24, 2000 January 6, 2004	<b>Issued</b>
US 10/105,035	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge Jonathan Dinsmore	March 21, 2002	<b>Pending</b>
PCT/ US00/20129	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge Jonathan Dinsmore	July 24, 2000	<b>Nationalized</b>
AU 62346/00 770889	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge Jonathan Dinsmore	July 24, 2000 June 17, 2004	<b>Issued</b>
CA 2,378,643	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge Jonathan Dinsmore	July 24, 2000	<b>Pending</b>
EP 00948918.8	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge Jonathan Dinsmore	July 24, 2000	<b>Pending</b>
JP 2001-512839	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge Jonathan Dinsmore	July 24, 2000	<b>Pending</b>
PCT/US 2003/08518	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge Jonathan Dinsmore	March 20, 2003	<b>Nationalized</b>
EP 0714280.9	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge Jonathan Dinsmore	March 20, 2003	<b>Pending</b>
AU 2003218286	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge Jonathan Dinsmore	March 20, 2003	<b>Pending</b>
CA 2,479,582	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge Jonathan Dinsmore	March 20, 2003	<b>Pending</b>
JP 2003-578528	<i>Muscle Cells and Their Use in Cardiac Repair</i>	Albert Edge Jonathan Dinsmore	March 20, 2003	<b>Pending</b>
US 60/401,449	<i>Injection System</i>	Jonathan Dinsmore Douglas Jacoby Dersimonian	August 6, 2002	<b>Expired</b>
US 10/635,212	<i>Improved Injection System</i>	Jonathan Dinsmore Douglas Jacoby Dersimonian	August 6, 2003	<b>Pending</b>

PCT/ US03/24565	<i>Improved Injection System</i>	Jonathan Dinsmore Douglas Jacoby Dersimonian	August 6, 2003	<b>Nationalized</b>
EP 03767230.0	<i>Improved Injection System</i>	Jonathan Dinsmore Douglas Jacoby Dersimonian	August 6, 2003	<b>Pending</b>
JP 2004-526481	<i>Improved Injection System</i>	Jonathan Dinsmore Douglas Jacoby Dersimonian	August 6, 2003	<b>Pending</b>
AU 2003257203	<i>Improved Injection System</i>	Jonathan Dinsmore Douglas Jacoby Dersimonian	August 6, 2003	<b>Pending</b>
CA 2,494,316	<i>Improved Injection System</i>	Jonathan Dinsmore Douglas Jacoby Dersimonian	August 6, 2003	<b>Pending</b>
US 60/658,887	<i>Catheter-Based Delivery</i>	Jonathan Dinsmore Douglas Jacoby	March 4, 2005	<b>Pending</b>
US 60/666,932	<i>Combination with Angiogenic Factors</i>	Jonathan Dinsmore Douglas Jacoby	March 31, 2005	<b>Pending</b>
US 60/678,976	<i>Bridge to Recovery</i>	Jonathan Dinsmore Douglas Jacoby	May 9, 2005	<b>Pending</b>