

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Colin C. Hill</td><td>01/15/2008</td></tr><tr><td>Bruce W. Church</td><td>01/15/2008</td></tr><tr><td>Paul D. McDonagh</td><td>01/15/2008</td></tr><tr><td>Iya G. Khalil</td><td>01/15/2008</td></tr><tr><td>Thomas A. Neyarapally</td><td>01/11/2008</td></tr><tr><td>Zachary W. Pitluk</td><td>01/15/2008</td></tr></tbody></table>		Name	Execution Date	Colin C. Hill	01/15/2008	Bruce W. Church	01/15/2008	Paul D. McDonagh	01/15/2008	Iya G. Khalil	01/15/2008	Thomas A. Neyarapally	01/11/2008	Zachary W. Pitluk	01/15/2008
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RECEIVING PARTY DATA															
<table border="1"><tr><td>Name:</td><td>Gene Network Sciences, Inc.</td></tr><tr><td>Street Address:</td><td>58 Charles Street</td></tr><tr><td>City:</td><td>Cambridge</td></tr><tr><td>State/Country:</td><td>MASSACHUSETTS</td></tr><tr><td>Postal Code:</td><td>02141</td></tr></table>		Name:	Gene Network Sciences, Inc.	Street Address:	58 Charles Street	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02141				
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PROPERTY NUMBERS Total: 1															
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Application Number:	11985618														
CORRESPONDENCE DATA															
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NAME OF SUBMITTER:	Valerie Sarosky														

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PATENT
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Total Attachments: 5

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ASSIGNMENT

WHEREAS, we, **Colin C. Hill, Bruce W. Church, Paul D. McDonagh, Iya G. Khalil, Thomas A. Neyarapally and Zachary W. Pitluk**, have invented a certain improvement in **SYSTEMS AND METHODS FOR MODELING AND ANALYZING NETWORKS** described in an application for Letters Patent of the United States, the specification of which:

[] is being executed on even date herewith; and is about to be filed in the United States Patent Office;

[**X**] was filed on **November 15, 2007** as Application No. **11/985,618**

[] was patented under U.S. Patent No _____ on _____.

WHEREAS, **Gene Network Sciences, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Delaware**, having principal offices at **31 Dutch Mill Road, Ithaca, New York 14850** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon, and any reissue, continuation, divisional and foreign counterparts thereof and including the right to claim priority under any applicable statute, treaty or convention based on said application; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, all choses in action pertaining to the applications or Letters Patent including the right to sue for and collect damages and other recoveries for past infringement thereof, all rights to initiate proceedings before government and administrative bodies, and all files, records and other materials arising from the prosecution, exploitation, or defense of rights and registrations pertaining to the applications or Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure


the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set **my** hands and affixed our seal(s) the date set forth below.

Inventor's Signature:


Colin C. Hill

State of Massachusetts)
County of Middlesex)

On this 15th day of January, 2008, before me, the undersigned notary public, personally appeared **Colin C. Hill**, proved to me through satisfactory evidence of identification, which was he is known to me, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)


Notary Public

My commission expires _____



ELISSA ARMOUR
Notary Public
Commonwealth of Massachusetts
My Commission Expires
April 9, 2010

IN TESTIMONY WHEREOF, I have hereunto set **my** hands and affixed our seal(s) the date set forth below.

Inventor's Signature: _____

Bruce W. Church

State of Massachusetts)
County of Middlesex)

On this 15th day of January, 2008, before me, the undersigned notary public, personally appeared **Bruce W. Church**, proved to me through satisfactory evidence of identification, which was he is known to me, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)

Elissa Armour

Notary Public

ELISSA ARMOUR

Notary Public

Commonwealth of Massachusetts

My Commission Expires

April 9, 2010

My commission expires _____

IN TESTIMONY WHEREOF, I have hereunto set **my** hands and affixed our seal(s) the date set forth below.

Inventor's Signature: _____

Paul D. McDonagh

State of Massachusetts)
County of Middlesex)

On this 15th day of January, 2008, before me, the undersigned notary public, personally appeared **Paul D. McDonagh**, proved to me through satisfactory evidence of identification, which was he is known to me, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)

Elissa Armour

Notary Public

ELISSA ARMOUR

Notary Public

Commonwealth of Massachusetts

My Commission Expires

April 9, 2010

My commission expires _____

IN TESTIMONY WHEREOF, I have hereunto set **my** hands and affixed our seal(s) the date set forth below.

Inventor's Signature: _____

Iya G. Khalil

State of Massachusetts)
County of Middlesex)

On this 15th day of January, 2008, before me, the undersigned notary public, personally appeared **Iya G. Khalil**, proved to me through satisfactory evidence of identification, which was she is known to me, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)

Notary Public

My commission expires _____



ELISSA ARMOUR
Notary Public
Commonwealth of Massachusetts
My Commission Expires
April 9, 2010

IN TESTIMONY WHEREOF, I have hereunto set **my** hands and affixed our seal(s) the date set forth below.

Inventor's Signature: _____

Thomas A. Neyarapally

State of Massachusetts)
County of Middlesex)

On this 11th day of January, 2008, before me, the undersigned notary public, personally appeared **Thomas A. Neyarapally**, ~~proved to me through satisfactory evidence of identification, which was~~ who is known to me, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)

Notary Public

My commission expires _____



ELISSA ARMOUR
Notary Public
Commonwealth of Massachusetts
My Commission Expires
April 9, 2010

IN TESTIMONY WHEREOF, I have hereunto set **my** hands and affixed our seal(s) the date set forth below.

Inventor's Signature: *Zachary W. Pitluk*
Zachary W. Pitluk

State of Massachusetts,
County of Middlesex)

On this 15th day of January, 2008, before me, the undersigned notary public, personally appeared **Zachary W. Pitluk**, proved to me through satisfactory evidence of identification, which was he is known to me, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)



ELISSA ARMOUR
Notary Public
Commonwealth of Massachusetts
My Commission Expires
April 9, 2010

Elissa Armour
Notary Public

My commission expires _____