

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Jeffrey R. Morgan</td> <td>02/27/2008</td> </tr> <tr> <td>Peter Chai</td> <td>05/28/2008</td> </tr> <tr> <td>Anthony Napolitano</td> <td>02/26/2008</td> </tr> <tr> <td>Edith Mathiowitz</td> <td>02/27/2008</td> </tr> <tr> <td>Dylan Dean</td> <td>02/29/2008</td> </tr> </tbody> </table>		Name	Execution Date	Jeffrey R. Morgan	02/27/2008	Peter Chai	05/28/2008	Anthony Napolitano	02/26/2008	Edith Mathiowitz	02/27/2008	Dylan Dean	02/29/2008
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Jeffrey R. Morgan	02/27/2008												
Peter Chai	05/28/2008												
Anthony Napolitano	02/26/2008												
Edith Mathiowitz	02/27/2008												
Dylan Dean	02/29/2008												
RECEIVING PARTY DATA													
Name:	Brown University												
Street Address:	One Prospect Street, P.O. Box 1949												
City:	Providence												
State/Country:	RHODE ISLAND												
Postal Code:	02912												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13749267</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13749267								
Property Type	Number												
Application Number:	13749267												
CORRESPONDENCE DATA													
Fax Number:	9783410136												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	978-341-0036												
Email:	iris.fennell@hbsr.com												
Correspondent Name:	Mary K. Murray, Ph.D.												
Address Line 1:	Hamilton, Brook, Smith & Reynolds, P.C.												
Address Line 2:	530 Virginia Road, P.O. Box 9133												
Address Line 4:	Concord, MASSACHUSETTS 01742												
ATTORNEY DOCKET NUMBER:	2670.2007-009												
NAME OF SUBMITTER:	Iris Fennell												

CH \$40.00 13749267

Total Attachments: 20

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Joint

ASSIGNMENT

WHEREAS, we, **Jeffrey R. Morgan, Peter Chai, Anthony Napolitano, Edith Mathiowitz and Dylan Dean**, have invented a certain improvement in **CELL AGGREGATION AND ENCAPSULATION DEVICE AND METHOD** described in an application for Patent,

- the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. [], filed [];
- the specification of which is a Patent Cooperation Treaty Application, International Application No. PCT/US2007/002050, filed 24 January 2007, which designates the United States of America;
- which was patented under United States Patent No. [].

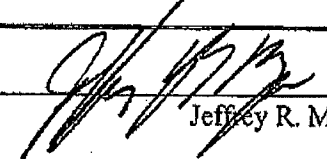
WHEREAS, **Brown University** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Rhode Island**, and having a usual place of business at **One Prospect Street, Box 1949, Providence, Rhode Island 02912** desires to acquire an interest therein in accordance 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, the 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 the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; 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 and sale 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. We hereby acknowledge that this assignment, being of the 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; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

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 any future applications including 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 each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: 
Jeffrey R. Morgan

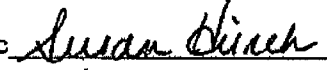
State/Commonwealth of Rhode Island
County of Providence Plantations

On this 27 day of February, 2008, before me, the undersigned notary public, personally appeared Jeffrey R. Morgan,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public 
SUSAN HIRSCH (print name)
My Commission expires 12/21/08

Inventor's Signature: _____
Peter Chai

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Peter Chai,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____

(print name)
My Commission expires ____/____/____

Inventor's Signature: _____
Anthony Napolitano

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Anthony Napolitano,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____

(print name)
My Commission expires ____/____/____

Inventor's Signature: _____
Edith Mathiowitz

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Edith Mathiowitz,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public _____
_____ (print name)

My Commission expires ____/____/____

Inventor's Signature: _____
Dylan Dean

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Dylan Dean,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

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(SEAL)

Notary Public _____
_____ (print name)

My Commission expires ____/____/____

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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, the 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 the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; 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 and sale 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. We hereby acknowledge that this assignment, being of the 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; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

PATENT

REEL: 029815 FRAME: 0537

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 any future applications including 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;

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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: _____
Jeffrey R. Morgan

State/Commonwealth of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Jeffrey R. Morgan,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____

(print name)
My Commission expires ____/____/____

Inventor's Signature: _____

Peter Chai

Peter Chai

State/Commonwealth
of RHODE ISLAND
County of PROVIDENCE

On this 28th day of MAY, 2008, before me, the undersigned notary public, personally appeared Peter Chai,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public Monique Victor
MONIQUE VICTOR (print name)

My Commission expires 4/23/2012

Inventor's Signature: _____

Anthony Napolitano

State/Commonwealth
of _____
County of _____

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared Anthony Napolitano,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public _____

(print name)

My Commission expires ____/____/____

Inventor's Signature: _____
Edith Mathiowitz

State/Commonwealth
of _____
County of _____

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared Edith Mathiowitz,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____

(print name)
My Commission expires ____/____/____

Inventor's Signature: _____
Dylan Dean

State/Commonwealth
of _____
County of _____

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared Dylan Dean,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

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(SEAL) Notary Public _____

(print name)
My Commission expires ____/____/____

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Inventor's Signature: _____
Jeffrey R. Morgan

State/Commonwealth of _____
County of _____

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(SEAL)

Notary Public _____
_____ (print name)

My Commission expires ____/____/____

Inventor's Signature: _____
Peter Chai

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Peter Chai,

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(SEAL) Notary Public _____

(print name)
My Commission expires ____/____/____

Inventor's Signature: Anthony Napolitano
Anthony Napolitano

State/Commonwealth
of NEW JERSEY
County of BERGEN

On this 26th day of FEBRUARY 2008, before me, the undersigned notary public, personally appeared Anthony Napolitano,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public Jean M. Antkoff
JEAN M. ANTROFF (print name)
My Commission expires 02/19/2009

Inventor's Signature: _____

Edith Mathiowitz

State/Commonwealth
of _____
County of _____

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared Edith Mathiowitz,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public _____

(print name)

My Commission expires ____/____/____

Inventor's Signature: _____

Dylan Dean

State/Commonwealth
of _____
County of _____

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared Dylan Dean,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

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(SEAL)

Notary Public _____

(print name)

My Commission expires ____/____/____

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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: _____
Jeffrey R. Morgan

State/Commonwealth _____
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Jeffrey R. Morgan,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____

(print name)
My Commission expires ____/____/____

Inventor's Signature: _____
Peter Chai

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Peter Chai,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

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(SEAL) Notary Public _____

(print name)
My Commission expires ____/____/____

Inventor's Signature: _____
Anthony Napolitano

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Anthony Napolitano,

- personally known to me, or
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(SEAL) Notary Public _____

(print name)
My Commission expires ____/____/____

Inventor's Signature: Edith Mathiowitz
Edith Mathiowitz

State/Commonwealth
of Rhode Island
County of Providence Plantations

On this 27 day of February, 2008, before me, the undersigned notary public, personally appeared Edith Mathiowitz,

- personally known to me, or
 proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public Susan Hirsch
Susan Hirsch (print name)
My Commission expires 12/21/09

Inventor's Signature: _____
Dylan Dean

State/Commonwealth
of _____
County of _____

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared Dylan Dean,

- personally known to me, or
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Notary Public _____
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- which was patented under United States Patent No. [].

WHEREAS, **Brown University** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Rhode Island**, and having a usual place of business at **One Prospect Street, Box 1949, Providence, Rhode Island 02912** 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, the 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 the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; 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 and sale 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. We hereby acknowledge that this assignment, being of the 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; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

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 any future applications including 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 each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: _____
Jeffrey R. Morgan
State/Commonwealth _____
of _____
County of _____

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared Jeffrey R. Morgan,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____

(print name)
My Commission expires ____ / ____ / ____

Inventor's Signature: _____
Peter Chai

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Peter Chai,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____

(print name)
My Commission expires ____ / ____ / ____

Inventor's Signature: _____
Anthony Napolitano

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Anthony Napolitano,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____

(print name)
My Commission expires ____ / ____ / ____

Inventor's Signature: _____

Edith Mathiowitz

State/Commonwealth _____

of _____

County of _____

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared Edith Mathiowitz,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

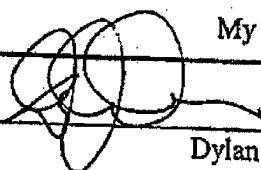
(SEAL)

Notary Public _____

(print name)

My Commission expires ____/____/____

Inventor's Signature: _____



Dylan Dean

State/Commonwealth _____

of Rhode Island

County of Providence Plantations

On this 29 day of February, 2008, before me, the undersigned notary public, personally appeared Dylan Dean,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public Susan Finch

(print name)

My Commission expires 12 / 21 / 09