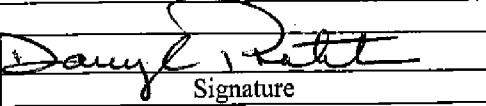


Form <b>PTO-1595</b> OMB No. 0651-0027	<b>CORRECTED</b> <b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office Attorney Docket No. <b>53689-5022CT1</b>
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:		
1. Name of conveying parties: 1) Lorrie Maciag (on behalf of Thomas Maciag (deceased)) 2) Vihren Kolev 3) Joseph M. Verdi  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Name: <b>Maine Medical Center Research Institute</b> (a division of Maine Medical Center)  Address: 22 Bramhall Street Portland, Maine 04102-3175  Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution date(s): 1): 11/8/2005; 2): 11/7/2005; 3): 11/7/2005		
4. Application number(s) or patent number(s):  Patent Application No.(s): 11/209,137, filed August 22, 2005	A. Patent No.(s):	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed:  <p style="text-align: center;">Kathryn Doyle          DRINKER BIDDLE &amp; REATH LLP          One Logan Square          18<sup>th</sup> &amp; Cherry Streets          Philadelphia, PA 19103</p>	6. Total number of applications and patents involved: <u>1</u>  7. Total fee (37 CFR 3.41) <u>\$40.00</u>  <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit Account No. <u>50-0573</u>	
<b>DO NOT USE THIS SPACE</b>		
9. Signature		
Darryl E. Pratcher		April 6, 2006
Name of Person Signing	Signature	Date

**CORRECTION TO DOCUMENT ID NO.: 103132759**

12/5/5



12-08-2005



103132759

*J/S*

Form PTO-1595  
OMB No. 0651-0027

REC

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office  
Attorney Docket No. 53689-5022CT1

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

<p>1. Name of conveying parties:</p> <p>Lorric Maciag (on behalf of Thomas Maciag (deceased)) Vihren Kolev Joseph M. Verdi</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Maine Medical Center Research Institute (a division of Maine Medical Center)</p> <p>Address: 22 Bramhall Street Portland, Maine 04102-3175</p> <p>Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other:</p> <p>Execution date(s): November 7 and 8, 2005</p>	
<p>4. Application number(s) or patent number(s):</p> <p>Patent Application No.(s): 11/209,137, filed August 22, 2005</p>	<p>A. Patent No.(s):</p>

Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p style="text-align: center;">Kathryn Doyle DRINKER BIDDLE &amp; REATH LLP One Logan Square 18<sup>th</sup> &amp; Cherry Streets Philadelphia, PA 19103</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) <u>\$40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit Account No. <u>50-0573</u></p>
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DO NOT USE THIS SPACE

9. Signature		
Darryl Pratcher Name of Person Signing	<i>Darryl Pratcher</i> Signature	December 1, 2005 Date

Total number of pages including cover sheet, attachments and documents: 13

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Attorney Docket No. **536895022CT1**  
JOINT

### ASSIGNMENT

**WHEREAS**, we, **Lorrie Maciag (on behalf of Thomas Maciag (deceased)), Vihren Kolev and Joseph M. Verdi**, respectively citizens of the United States, Bulgaria and the United States, with respective post office addresses of 21 Parsons Road, Portland, ME 04103; 11 Foxcroft Drive, Scarborough, ME 04074; and 6 Muirfield Road, Falmouth, ME 04105, hereinafter generally referred to as "ASSIGNORS," have invented a certain new and useful

### **COMPOSITIONS, METHODS AND KITS RELATING TO THROMBIN, NOTCH SIGNALING AND STAMATOGENESIS AND GROWTH OF STEM CELLS**

for which we have executed a United States patent application, Application No. 11/209,137, filed **August 22, 2005**, and

**ASSIGNORS** authorize **ASSIGNEE** or **ASSIGNEE's** representative to insert the Application Number and Filing date of this application if they are unknown at the time of execution of this Assignment.

**WHEREAS**, Maine Medical Center Research Institute, a division of Maine Medical Center, a not-for-profit corporation organized and existing under the laws of the State of Maine with a principal place of business at 22 Bramhall Street, Portland, Maine 04102-3175, hereinafter generally referred to as "**ASSIGNEE**", is desirous of acquiring said invention and said patent application.

**NOW, THEREFORE**, in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged and intending to be legally bound hereby, we, the undersigned **ASSIGNORS**, hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer and convey unto the above-named **ASSIGNEE**, the whole and entire right, title and interest

in and to said invention as described in the above patent application, for the territory of the United States and its possessions and territories and all foreign countries;

in and to the above patent application and any and all related United States and foreign patent applications disclosing said invention, including provisionals, non-provisionals, divisions and continuations thereof, along with all rights of priority created by said patent application under any treaty relating thereto; and

in and to all United States and foreign patents which may be granted on any and all of said patent applications, including extensions, reissues and reexamination certificates thereof;

said invention, application(s) and patent(s) to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the patent(s) hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

(Date) Lorrie Maciag (Seal)  
*Lm* Lori Maciag, the Executrix of the Estate  
**LORRIE** of Thomas Maciag (deceased)

STATE OF Maine :  
: ss.  
COUNTY OF Cumberland :

Before me, a notary public in and for the State and County aforesaid, on this 8 day of November, 2005, personally appeared **Lori Maciag, the Executrix of the Estate of Thomas Maciag**, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Monica J Cormier  
Notary Public

My Commission Expires:  
3-22-2006

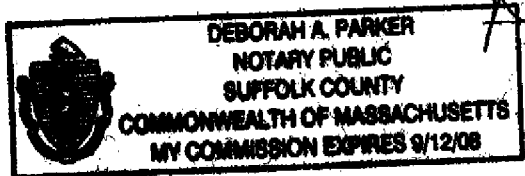


(Seal)

(Date) 11.07.05 *Virhen Kolev*  
Virhen Kolev

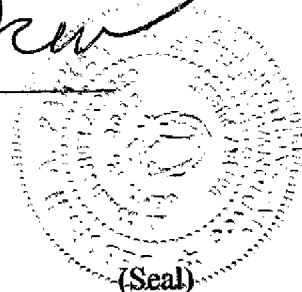
STATE OF MA :  
COUNTY OF Suffolk : ss.

Before me, a notary public in and for the State and County aforesaid, on this 7 day of November, 2005, personally appeared **Virhen Kolev**, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.



*Deborah A. Parker*  
Notary Public

My Commission Expires:



(Seal)

(Date) \_\_\_\_\_  
Joseph M. Verdi

STATE OF \_\_\_\_\_ :  
COUNTY OF \_\_\_\_\_ : ss.

Before me, a notary public in and for the State and County aforesaid, on this \_\_\_ day of \_\_\_\_\_, 2005, personally appeared **Joseph M. Verdi**, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

\_\_\_\_\_  
Notary Public

(Seal)

(Date) \_\_\_\_\_  
**Virhen Kolev**

STATE OF \_\_\_\_\_ :  
: ss.  
COUNTY OF \_\_\_\_\_ :

Before me, a notary public in and for the State and County aforesaid, on this \_\_\_ day of \_\_\_\_\_, 2005, personally appeared **Virhen Kolev**, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

\_\_\_\_\_  
**Notary Public**  
My Commission Expires:

(Date) 11/7/05 \_\_\_\_\_ (Seal)  
*Joseph M. Verdi*  
**Joseph M. Verdi**

STATE OF Mass :  
: ss.  
COUNTY OF Cumberland :

Before me, a notary public in and for the State and County aforesaid, on this 8<sup>th</sup> day of November, 2005, personally appeared **Joseph M. Verdi**, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

*Suzanne B. Kelly*  
\_\_\_\_\_  
**Notary Public**

