### PATENT ASSIGNMENT COVER SHEET

**SUBMISSION TYPE:** NEW ASSIGNMENT  
**NATURE OF CONVEYANCE:** ASSIGNMENT

#### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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<tbody>
<tr>
<td>COLLIN J. WEBER</td>
<td>11/01/2013</td>
</tr>
<tr>
<td>SUSAN A. SAFLEY</td>
<td>11/01/2013</td>
</tr>
<tr>
<td>KEREN S. GORDON</td>
<td>10/18/2013</td>
</tr>
<tr>
<td>NICHOLAS E. SIMPSON</td>
<td>12/21/2013</td>
</tr>
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#### RECEIVING PARTY DATA

<table>
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<tr>
<th>Name:</th>
<th>Emory University</th>
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<tbody>
<tr>
<td>Street Address:</td>
<td>1599 Clifton Road NE, 4th Floor</td>
</tr>
<tr>
<td>Internal Address:</td>
<td>Office of Technology Transfer</td>
</tr>
<tr>
<td>City:</td>
<td>Atlanta</td>
</tr>
<tr>
<td>State/Country:</td>
<td>GEORGIA</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>30322</td>
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#### PROPERTY NUMBERS Total: 3

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<td>Application Number</td>
<td>14000471</td>
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<td>PCT Number:</td>
<td>US2012029049</td>
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#### CORRESPONDENCE DATA

Fax Number: (404)727-1271  
Phone: 4047272211  
Email: OTTIP@EMORY.EDU  

*Correspondence will be sent via US Mail when the email attempt is unsuccessful.*

**Correspondent Name:** EMORY UNIVERSITY  
**Address Line 1:** 1599 CLIFTON ROAD NE, 4TH FL  
**Address Line 2:** OFFICE OF TECHNOLOGY TRANSFER  
**Address Line 4:** ATLANTA, GEORGIA 30322
<table>
<thead>
<tr>
<th>ATTORNEY DOCKET NUMBER:</th>
<th>11096 US</th>
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<tbody>
<tr>
<td>NAME OF SUBMITTER:</td>
<td>WINSOME A DUNN</td>
</tr>
<tr>
<td>Signature:</td>
<td>/Winsome A Dunn/</td>
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ASSIGNMENT

WHEREAS, we, Collin J. Weber of Atlanta, Georgia; Susan A. Safley of Decatur, Georgia; Kereen S. Gordon of Alpharetta, Georgia and Nicolas E. Simpson of Alachua Florida, have invented new and useful improvements in an invention described in COMPOSITIONS FOR ENCAPSULATING BIOMATERIALS AND USES RELATED THERETO, for which an International Patent Application was filed on March 14, 2012, and assigned International Serial No. PCT/US2012/029049, which claimed the benefit of priority to United States Provisional Serial No. 61/454,160, filed March 18, 2011, which application subsequently entered into the national phase of prosecution in the United States on August 20, 2013 and assigned U.S. Serial No. 14/000,471; and

WHEREAS, EMORY UNIVERSITY, a Georgia nonprofit corporation with offices located at 1599 Clifton Road, 4th Floor, Atlanta, Georgia 30322, is desirous of attaining an entire interest in the same;

NOW, THEREFORE, consistent with my existing obligations under the Intellectual Property Policy laid out in Section 7.6 of the Emory University Policy Manual, for good and valuable consideration received the sufficiency and adequacy of which are hereby acknowledged, we, Collin J. Weber, Susan A. Safley, Kereen S. Gordon and Nicolas E. Simpson sell, assign and transfer unto said EMORY UNIVERSITY, the entire right, title and interest in and to said invention throughout the world, including, without limitation, any U.S. application claiming a right of priority from this provisional application, said provisional application, any Letters Patent which may issue thereon, and any subsequent application(s) claiming priority to the above-identified application(s) under 35 U.S.C. § 19(e), any reissue, reexamination, division, continuation-in-part, extension or continuation thereof and all rights of priority under any International Convention arising from said application(s).

AND, We hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions,
oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid EMORY UNIVERSITY's its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world.

IN WITNESS WHEREOF, we have executed this assignment on the day indicated below.

Date: 11/1/13
By: Collin J. Weber (L.S.)

Date: 11/6/13
By: Susan A. Safley (L.S.)

Date: ______________________
By: _______________________ (L.S.)
Kereen S. Gordon

Date: ______________________
By: _______________________ (L.S.)
Nicolas E. Simpson
oaths and assignments or other papers and instruments which may be necessary in order to carry
into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended
to be made and generally do everything possible to aid **EMORY UNIVERSITY**'s its legal
representatives and assigns, to obtain and enforce proper protection for said invention in all
countries throughout the world.

**IN WITNESS WHEREOF**, we have executed this assignment on the day indicated
below.

Date: ___________________________  By: ___________________________ (L.S.)
Collin J. Weber

Date: ___________________________  By: ___________________________ (L.S.)
Susan A. Safley

Date: 10/18/13  By: ___________________________ (L.S.)
Keree S. Gordon

Date: ___________________________  By: ___________________________ (L.S.)
Nicolas E. Simpson
ASSIGNMENT

WHEREAS, we, Collin J. Weber of Atlanta, Georgia; Susan A. Safley of Decatur, Georgia; Kereen S. Gordon of Alpharetta, Georgia and Nicolas E. Simpson of Alachua Florida, have invented new and useful improvements in an invention described in COMPOSITIONS FOR ENCAPSULATING BIOMATERIALS AND USES RELATED THERETO, for which an International Patent Application was filed on March 14, 2012, and assigned International Serial No. PCT/US2012/029049, which claimed the benefit of priority to United States Provisional Serial No. 61/454,160, filed March 18, 2011, which application subsequently entered into the national phase of prosecution in the United States on August 20, 2013 and assigned U.S. Serial No. 14/000,471; and

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IN WITNESS WHEREOF, we have executed this assignment on the day indicated below.

Date: ___________________________ By: ___________________________ (L.S.)

Collin J. Weber

Date: ___________________________ By: ___________________________ (L.S.)

Susan A. Saflay

Date: ___________________________ By: ___________________________ (L.S.)

Kereen S. Gordon

Date: 12-21-13 By: ___________________________ (L.S.)

Nicoles E. Simpson

12-21-13