

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported) January 29, 2013

NAVIDEA BIOPHARMACEUTICALS, INC.
(Exact name of registrant as specified in its charter)

<u>Delaware</u> (State or other jurisdiction of incorporation)	<u>001-35076</u> (Commission File Number)	<u>31-1080091</u> (IRS Employer Identification No.)
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<u>425 Metro Place North, Suite 450, Dublin, Ohio</u> (Address of principal executive offices)	<u>43017</u> (Zip Code)
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Registrant's telephone number, including area code (614) 793-7500

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 1.01. Entry Into a Material Definitive Agreement.

On January 29, 2013, Navidea Biopharmaceuticals, Inc. (the “Company”) entered into an underwriting agreement (the “Underwriting Agreement”) with Ladenburg Thalmann & Co. Inc. (the “Underwriter”), related to a public offering of 1,542,389 shares of the Company’s common stock, \$0.001 par value per share (the “Common Stock”), at a price of \$3.10 per share less underwriting discounts and commissions (the “Offering”). The Offering is expected to close on February 4, 2013, subject to the satisfaction of customary closing conditions.

The net proceeds to the Company are expected to be approximately \$4.4 million after deducting estimated expenses associated with the Offering. The Company will use the net proceeds from the offering to fund the clinical development and launch of Lymphoseek, NAV4694, NAV5001, and RIGScan, to fund other potential product pipeline opportunities, and for general corporate purposes.

The Offering is being made pursuant to a prospectus supplement dated January 29, 2013, and an accompanying prospectus dated May 9, 2011, pursuant to the Company’s existing effective shelf registration statement on Form S-3 (File No. 333-173752).

The Underwriting Agreement contains customary representations, warranties, and agreements by the Company, customary conditions to closing, indemnification obligations of the Company and the Underwriter, including indemnification obligations for liabilities under the Securities Act of 1933, as amended, and other obligations of the parties.

The Underwriting Agreement has been included to provide investors and stockholders with information regarding its terms. It is not intended to provide any other factual information about the Company. The representations, warranties and covenants contained in the Underwriting Agreement were made only for purposes of such agreement and as of specific dates, were solely for the benefit of the parties to such agreement, and may be subject to limitations agreed upon by the contracting parties, including being qualified by confidential disclosures exchanged between the parties in connection with the execution of the Underwriting Agreement.

A copy of the opinion of Porter Wright Morris & Arthur, LLP relating to the legality of the issuance and sale of the shares in the Offering is attached as Exhibit 5.1 hereto. A copy of the Underwriting Agreement is filed herewith as Exhibit 1.1 and is incorporated herein by reference. The foregoing description of the Offering by the Company and the documentation related thereto does not purport to be complete and is qualified in its entirety by reference to such Exhibits.

Item 8.01 Other Events.

Reference is made to the description of the Offering in Item 1.01. On January 30, 2013, the Company issued a press release announcing that it had priced the Offering described in Item 1.01 of this Current Report on Form 8-K. The Company’s press release is filed as Exhibit 99.1 to this Report and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

<i>Exhibit Number</i>	<i>Exhibit Description</i>
1.1	Underwriting Agreement, dated January 29, 2013, by and between Navidea Biopharmaceuticals, Inc. and Ladenburg Thalmann & Co. Inc. as the sole underwriter
5.1	Opinion of Porter Wright Morris & Arthur, LLP
23.1	Consent of Porter Wright Morris & Arthur, LLP (included in the opinion filed as Exhibit 5.1)
99.1	Press Release of Navidea Biopharmaceuticals, Inc., dated January 30, 2013

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Navidea Biopharmaceuticals, Inc.

Date: January 31, 2013

By: /s/ Brent L. Larson

Brent L. Larson, Senior Vice President and
Chief Financial Officer

EXHIBIT INDEX

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1,542,389 Shares

NAVIDEA BIOPHARMACEUTICALS, INC.

Common Stock

UNDERWRITING AGREEMENT

January 29, 2013

Ladenburg Thalmann & Co. Inc.
520 Madison Avenue
New York, New York 10022

Dear Sirs:

1. *Introductory.* Navidea Biopharmaceuticals, Inc., a Delaware corporation (“**Company**”), agrees to issue and sell to Ladenburg Thalmann & Co. Inc., as the sole underwriter (the “**Underwriter**”), 1,542,389 shares of its common stock, par value \$0.001 per share (the “**Offered Securities**”).

2. *Representations and Warranties of the Company.* The Company represents and warrants to, and agrees with, the Underwriter that:

(a) *Filing and Effectiveness of Registration Statement; Certain Defined Terms.* The Company has filed with the Commission a registration statement on Form S-3 (No. 333-173752), including a related prospectus or prospectuses, covering the registration of the Offered Securities under the Act, which has become effective. “**Registration Statement**” at any particular time means such registration statement in the form then filed with the Commission, including any amendment thereto, any document incorporated by reference therein and all 430B Information and all 430C Information with respect to such registration statement, that in any case has not been superseded or modified. “**Registration Statement**” without reference to a time means the Registration Statement as of the Effective Time. For purposes of this definition, 430B Information shall be considered to be included in the Registration Statement as of the time specified in Rule 430B.

For purposes of this Agreement:

“**430B Information**” means information included in a prospectus then deemed to be a part of the Registration Statement pursuant to Rule 430B(e) or retroactively deemed to be a part of the Registration Statement pursuant to Rule 430B(f).

“**430C Information**” means information included in a prospectus then deemed to be a part of the Registration Statement pursuant to Rule 430C.

“**Act**” means the Securities Act of 1933, as amended.

“**Applicable Time**” means 6:00 p.m. (Eastern time) on the date of this Agreement.

“**Closing Date**” has the meaning defined in Section 3 hereof.

“**Commission**” means the Securities and Exchange Commission.

“**Effective Time**” of the Registration Statement relating to the Offered Securities means the time of the first contract of sale for the Offered Securities.

“**Exchange Act**” means the Securities Exchange Act of 1934, as amended.

“**Final Prospectus**” means the Statutory Prospectus that discloses the public offering price, other 430B Information and other final terms of the Offered Securities and otherwise satisfies Section 10(a) of the Act.

“**General Use Issuer Free Writing Prospectus**” means any Issuer Free Writing Prospectus that is intended for general distribution to prospective investors, as evidenced by its being so specified in Schedule A to this Agreement.

“**Issuer Free Writing Prospectus**” means any “issuer free writing prospectus,” as defined in Rule 433, relating to the Offered Securities in the form filed or required to be filed with the Commission or, if not required to be filed, in the form retained in the Company’s records pursuant to Rule 433(g).

“**Limited Use Issuer Free Writing Prospectus**” means any Issuer Free Writing Prospectus that is not a General Use Issuer Free Writing Prospectus.

“**Rules and Regulations**” means the rules and regulations of the Commission.

“**Securities Laws**” means, collectively, the Sarbanes-Oxley Act of 2002 (“**Sarbanes-Oxley**”), the Act, the Exchange Act, the Rules and Regulations, the auditing principles, rules, standards and practices applicable to auditors of “issuers” (as defined in Sarbanes-Oxley) promulgated or approved by the Public Company Accounting Oversight Board and, as applicable, the rules of the NYSE MKT (“**Exchange Rules**”).

“**Statutory Prospectus**” with reference to any particular time means the prospectus, any document incorporated therein by reference, relating to the Offered Securities that is included in the Registration Statement immediately prior to that time, including all 430B Information and all 430C Information with respect to the Registration Statement. For purposes of the foregoing definition, 430B Information shall be considered to be included in the Statutory Prospectus only as of the actual time that form of prospectus (including a prospectus supplement) is filed with the Commission pursuant to Rule 424(b) and not retroactively.

Unless otherwise specified, a reference to a “rule” is to the indicated rule under the Act.

(b) *Compliance with Securities Act Requirements.* (i) (A) At the time the Registration Statement initially became effective, (B) at the time of each amendment thereto for the purposes of complying with Section 10(a)(3) of the Act (whether by post effective amendment, incorporated report or form of prospectus), (C) at the Effective Time relating to the Offered Securities and (D) on the Closing Date, the Registration Statement and any document incorporated by reference therein conformed and will conform in all respects to the requirements of the Act and the Rules and Regulations and did not and will not include any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary to make the statements therein not misleading and (ii) (A) on its date, (B) at the time of filing the Final Prospectus pursuant to Rule 424(b) and (C) on the Closing Date, the Final Prospectus will conform in all respects to the requirements of the Act and the Rules and Regulations, and will not include any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading. The preceding sentence does not apply to statements in or omissions from any such document based upon written information furnished to the Company by the Underwriter specifically for use therein, it being understood and agreed that the only such information is that described as such in Section 8(b) hereof.

(c) *Shelf Registration Statement.* The date of this Agreement is not more than three years subsequent to the effective time of the Registration Statement. If, immediately prior to the third anniversary of the initial effective time of the Registration Statement, any of the Offered Securities remain unsold by the Underwriter, the Company will prior to that third anniversary file, if it has not already done so, a new shelf registration statement relating to the Offered Securities, in a form reasonably satisfactory to the Underwriter, will use its reasonable best efforts to cause such registration statement to be declared effective within 180 days after that third anniversary, and will use its reasonable best efforts to take all other action necessary or appropriate to permit the public offering and sale of the Offered Securities to continue as contemplated in the expired registration statement relating to the Offered Securities. References herein to the Registration Statement shall include such new shelf registration statement.

(d) *Ineligible Issuer Status.* i) At the earliest time after the filing of the Registration Statement that the Company or another offering participant made a bona fide offer (within the meaning of Rule 164(h)(2)) of the Offered Securities and ii) at the date of this Agreement, the Company was not and is not an “ineligible issuer,” as defined in Rule 405, including (x) the Company or any other subsidiary in the preceding three years not having been convicted of a felony or misdemeanor or having been made the subject of a judicial or administrative decree or order as described in Rule 405 and (y) the Company in the preceding three years not having been the subject of a bankruptcy petition or insolvency or similar proceeding, not having had a registration statement be the subject of a proceeding under Section 8 of the Act and not being the subject of a proceeding under Section 8A of the Act in connection with the offering of the Securities, all as described in Rule 405.

(e) *General Disclosure Package.* As of the Applicable Time, neither iii) the General Use Issuer Free Writing Prospectus(es) issued at or prior to the Applicable Time, the base prospectus, dated May 9, 2011 (which is the most recent Statutory Prospectus distributed to investors generally), and the other information, if any, stated in Schedule A to this Agreement to be included in the General Disclosure Package, all considered together (collectively, the “**General Disclosure Package**”), nor iv) any individual Limited Use Issuer Free Writing Prospectus, when considered together with the General Disclosure Package, included any untrue statement of a material fact or omitted to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The preceding sentence does not apply to statements in or omissions from any Statutory Prospectus or any Issuer Free Writing Prospectus in reliance upon and in conformity with written information furnished to the Company by the Underwriter specifically for use therein, it being understood and agreed that the only such information furnished by the Underwriter consists of the information described as such in Section 7(b) hereof.

(f) *Issuer Free Writing Prospectuses.* Each Issuer Free Writing Prospectus, as of its issue date and at all subsequent times through the completion of the public offer and sale of the Offered Securities or until any earlier date that the Company notified or notifies the Underwriter as described in the next sentence, did not, does not and will not include any information that conflicted, conflicts or will conflict with the information then contained in the Registration Statement. If at any time following issuance of an Issuer Free Writing Prospectus there occurred or occurs an event or development as a result of which such Issuer Free Writing Prospectus conflicted or would conflict with the information then contained in the Registration Statement or as a result of which such Issuer Free Writing Prospectus, if republished immediately following such event or development, would include an untrue statement of a material fact or omitted to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading, (i) the Company has promptly notified or will promptly notify the Underwriter and (ii) the Company has promptly amended or will promptly amend or supplement such Issuer Free Writing Prospectus to eliminate or correct such conflict, untrue statement or omission.

(g) *Good standing of the Company.* The Company has been duly incorporated and is existing and in good standing under the laws of the State of Delaware, with power and authority (corporate and other) to own its properties and conduct its business as described in the General Disclosure Package; and the Company is duly qualified to do business as a foreign corporation in good standing in all other jurisdictions in which its ownership or lease of property or the conduct of its business requires such qualification, except those jurisdictions in which the failure to so qualify would not have a material adverse effect on the condition (financial or otherwise), results of operations, business, properties or prospects of the Company and its subsidiaries taken as a whole (“**Material Adverse Effect**”).

(h) *Subsidiaries.* Each subsidiary of the Company has been duly incorporated and is existing and in good standing under the laws of the jurisdiction of its incorporation, with power and authority (corporate and other) to own its properties and conduct its business as described in the General Disclosure Package; and each subsidiary of the Company is duly qualified to do business as a foreign corporation in good standing in all other jurisdictions in which its ownership or lease of property or the conduct of its business requires such qualification, except those jurisdictions in which the failure to so qualify would not have a Material Adverse Effect; all of the issued and outstanding capital stock of each subsidiary of the Company has been duly authorized and validly issued and is fully paid and nonassessable; and the capital stock of each subsidiary owned by the Company, directly or through subsidiaries, is owned free from liens, encumbrances and defects, other than liens or encumbrances granted to secure borrowings under those agreements identified in the General Disclosure Package, including, without limitation the Loan and Security Agreement, dated December 29, 2011, by and between the Company and Hercules Technology II, L.P., or other such liens or encumbrances that do not interfere with the ownership or operations of such subsidiary. The subsidiaries of the Company listed on Schedule B hereto are the only subsidiaries, direct or indirect, of the Company and except as disclosed in the General Disclosure Package, each subsidiary of the Company is a wholly-owned subsidiary, direct or indirect, of the Company.

(i) *Offered Securities*. The Offered Securities and all other outstanding shares of capital stock of the Company have been duly authorized; the authorized equity capitalization of the Company is as set forth in the General Disclosure Package; all outstanding shares of capital stock of the Company are, and, when the Offered Securities have been delivered and paid for in accordance with this Agreement on each Closing Date, such Offered Securities will have been, validly issued, fully paid and nonassessable, will conform to the information in the General Disclosure Package and to the description of such Offered Securities contained in the Final Prospectus; the stockholders of the Company have no preemptive rights with respect to the Offered Securities; and none of the outstanding shares of capital stock of the Company have been issued in violation of any preemptive or similar rights of any security holder. Except as disclosed in the General Disclosure Package, there are no outstanding (A) securities or obligations of the Company convertible into or exchangeable for any capital stock of the Company, (B) warrants, rights or options to subscribe for or purchase from the Company any such capital stock or any such convertible or exchangeable securities or obligations, except for options to purchase 60,000 shares of common stock granted to David Casbier, options to purchase 60,000 shares of common stock granted to Stephen Haber, and options to purchase 65,500 shares of common stock granted to David Pendleton (Messrs. Casbier, Haber, and Pendleton received the options in connection with the commencement of their employment with the Company, but are not “officers” for purposes of Section 16 of the Exchange Act) or (C) obligations of the Company to issue or sell any shares of capital stock, any such convertible or exchangeable securities or obligations or any such warrants, rights or options. The Company has not, directly or indirectly, offered or sold any of the Offered Securities by means of any “prospectus” (within the meaning of the Act and the Rules and Regulations) or used any “prospectus” (within the meaning of the Act and the Rules and Regulations) or made any offer (within the meaning of the Act and the Rules and Regulations) in connection with the offer or sale of the Offered Securities, in each case other than the preliminary prospectus referred to in Section 2(a)(iv) hereof.

(j) *Other Offerings*. Except as set forth and described on Schedule C, the Company has not sold, issued or distributed any common shares during the six-month period preceding the date hereof, including any sales pursuant to Rule 144A under, or Regulation D or S of, the Act, other than common shares issued pursuant to employee benefit plans, qualified stock option plans or other employee compensation plans or pursuant to outstanding options, rights or warrants.

(k) *No Finder’s Fee*. Except as disclosed in the General Disclosure Package, there are no contracts, agreements or understandings between the Company and any person that would give rise to a valid claim against the Company or the Underwriter for a brokerage commission, finder’s fee or other like payment in connection with this offering.

(l) *Registration Rights*. Except as disclosed in the General Disclosure Package (including information disclosed therein by reference), there are no contracts, agreements or understandings between the Company and any person granting such person the right to require the Company to file a registration statement under the Act with respect to any securities of the Company owned or to be owned by such person or to require the Company to include such securities in the securities registered pursuant to a Registration Statement or in any securities being registered pursuant to any other registration statement filed by the Company under the Act (collectively, “**registration rights**”).

(m) *Listing*. The Offered Securities have been approved for listing on the NYSE MKT, subject to notice of issuance.

(n) *Absence of Further Requirements.* No consent, approval, authorization, or order of, or filing or registration with, any person (including any governmental agency or body or any court) is required for the consummation of the transactions contemplated by this Agreement in connection with the offering, issuance and sale of the Offered Securities by the Company, except such as have been obtained, or made and such as may be required under state securities laws.

(o) *Title to Property.* Except as disclosed in the General Disclosure Package, the Company and its subsidiaries have good and marketable title to all real properties and all other properties and assets owned by them, in each case free from liens, charges, encumbrances and defects that would materially affect the value thereof or materially interfere with the use made or to be made thereof by them and, except as disclosed in the General Disclosure Package, the Company and its subsidiaries hold any leased real or personal property under valid and enforceable leases with no terms or provisions that would materially interfere with the use made or to be made thereof by them.

(p) *Absence of Defaults and Conflicts Resulting from Transaction.* The execution, delivery and performance of this Agreement, and the issuance and sale of the Offered Securities will not result in a breach or violation of any of the terms and provisions of, or constitute a default or a Debt Repayment Triggering Event (as defined below) under, or result in the imposition of any lien, charge or encumbrance upon any property or assets of the Company or any of its subsidiaries pursuant to, the charter or by-laws of the Company or any of its subsidiaries, any statute, rule, regulation or order of any governmental agency or body or any court, domestic or foreign, having jurisdiction over the Company or any of its subsidiaries or any of their properties, or any agreement or instrument to which the Company or any of its subsidiaries is a party or by which the Company or any of its subsidiaries is bound or to which any of the properties of the Company or any of its subsidiaries is subject, except as individually or in the aggregate would not have a Material Adverse Effect; a “**Debt Repayment Triggering Event**” means any event or condition that gives, or with the giving of notice or lapse of time would give, the holder of any note, debenture, or other evidence of indebtedness (or any person acting on such holder’s behalf) the right to require the repurchase, redemption or repayment of all or a portion of such indebtedness by the Company or any of its subsidiaries.

(q) *Absence of Existing Defaults and Conflicts.* Neither the Company nor any of its subsidiaries is in violation of its respective charter or by-laws or in default (or with the giving of notice or lapse of time would be in default) under any existing obligation, agreement, covenant or condition contained in any indenture, loan agreement, mortgage, lease or other agreement or instrument to which any of them is a party or by which any of them is bound or to which any of the properties of any of them is subject, except such defaults that would not, individually or in the aggregate, result in a Material Adverse Effect.

(r) *Authorization of Agreement by the Company.* This Agreement has been duly authorized, executed and delivered by the Company.

(s) *Possession of Licenses and Permits.* The Company and its subsidiaries possess, and are in compliance with the terms of, all adequate certificates, authorizations, franchises, licenses and permits (“**Licenses**”) necessary or material to the conduct of the business now conducted or proposed in the General Disclosure Package to be conducted by them and have not received any notice of proceedings relating to the revocation or modification of any Licenses that, if determined adversely to the Company or any of its subsidiaries, would individually or in the aggregate have a Material Adverse Effect. Except as described in the Registration Statement, the General Disclosure Package and the Final Prospectus, as applicable, the Company and its subsidiaries (i) are and at all times have been in material compliance with all applicable statutes, rules and regulations applicable to the ownership, testing, development, manufacture, packaging, processing, use, distribution, storage, import, export or disposal of any product manufactured or distributed by the Company (“**Applicable Laws**”); and (ii) have not received any U.S. Food and Drug Administration (“**FDA**”), Form 483, written notice of adverse finding, warning letter, untitled letter or other correspondence or written notice from any court or arbitrator or governmental or regulatory authority or third party alleging or asserting non-compliance with any Applicable Laws or any licenses, exemptions, certificates, approvals, clearances, authorizations, permits and supplements or amendments thereto required by any such Applicable Laws.

(t) *Absence of Labor Dispute.* No labor dispute with the employees of the Company or any of its subsidiaries exists or, to the knowledge of the Company, is imminent that could have a Material Adverse Effect.

(u) *Possession of Intellectual Property*. The Company and each of its subsidiaries own, possess or can acquire on reasonable terms sufficient rights to all trademarks, service marks, trade names (including all goodwill associated with each of the foregoing), patents, patent rights, copyrights, domain names, licenses, approvals, trade secrets, inventions, technology, know-how and other intellectual property and similar rights, including registrations and applications for registration thereof (collectively, “**Intellectual Property Rights**”) necessary or material to the conduct of the respective businesses now conducted or proposed in the General Disclosure Package to be conducted by them, and the expected expiration of any such Intellectual Property Rights would not, individually or in the aggregate, have a Material Adverse Effect. Except as disclosed in the General Disclosure Package v) to the Company’s knowledge, there are no rights of third parties to any of the Intellectual Property Rights owned or purported to be owned by the Company or any of its subsidiaries; vi) to the Company’s knowledge, there has been no material infringement, misappropriation, breach, default or other violation by any third party of any of the Intellectual Property Rights of the Company or any of its subsidiaries, and no event has occurred that with notice or the passage of time would constitute any of the foregoing; vii) there is no pending or, to the Company’s knowledge, threatened action, suit, proceeding or claim by others challenging the Company’s or any of its subsidiaries’ rights in or to, or alleging the violation of any of the terms of, any of their respective Intellectual Property Rights, and the Company is unaware of any facts which would form a reasonable basis for any such claim; viii) there is no pending or, to the Company’s knowledge, threatened action, suit, proceeding or claim by others challenging the validity, enforceability or scope of any such Intellectual Property Rights, and the Company is unaware of any facts which would form a reasonable basis for any such claim; ix) there is no pending or, to the Company’s knowledge, threatened action, suit, proceeding or claim by others that the Company or any subsidiary has infringed, misappropriated or otherwise violated or conflicted with any Intellectual Property Rights or other proprietary rights of others, and the Company is unaware of any other fact which would form a reasonable basis for any such claim; and x) to the Company’s knowledge, none of the Intellectual Property Rights used by the Company or its subsidiaries in their respective businesses has been obtained or is being used by the Company or its subsidiaries in violation of any contractual obligation binding on the Company or any of its subsidiaries, except in each case covered by clauses (i) – (vi) such as would not, if determined adversely to the Company or any of its subsidiaries, would individually or in the aggregate, have a Material Adverse Effect.

(v) *Summarized IP Disclosure*. The information in the General Disclosure Package and Final Prospectus, insofar as such information constitutes a summary of the material terms of any agreement pursuant to which the Company licenses any intellectual property rights to or from any third party is accurate and complete in all material respects and presents fairly the information referred to therein.

(w) *Clinical Trials*. The clinical and pre-clinical trials conducted by or on behalf of or sponsored by the Company or its subsidiaries, or in which the Company or its subsidiaries have participated, that are described in the Registration Statement, the General Disclosure Package and the Final Prospectus or the results of which are referred to in the Registration Statement, the General Disclosure Package and the Final Prospectus, as applicable, and are intended to be submitted to Regulatory Authorities (as defined below) as a basis for product approval, were and, if still pending, are being conducted in all material respects in accordance with standard medical and scientific research procedures and all applicable statutes, rules and regulations of the FDA and comparable drug regulatory agencies outside of the United States to which they are subject (collectively, the “**Regulatory Authorities**”), including, without limitation, 21 C.F.R. Parts 50, 54, 56, 58, and 312, and current Good Clinical Practices and Good Laboratory Practices; the descriptions in the Registration Statement, the General Disclosure Package or the Final Prospectus of the results of such studies and tests are accurate and complete in all material respects and fairly present the data derived from such trials; the Company has no knowledge of any other trials the results of which are inconsistent with or call into question the results described or referred to in the Registration Statement, the General Disclosure Package and the Final Prospectus; the Company and its subsidiaries have operated and are currently in compliance in all material respects with all applicable statutes, rules and regulations of the Regulatory Authorities; neither the Company nor any of its subsidiaries have received any written notices, correspondence or other communication from the Regulatory Authorities or any other governmental agency requiring or threatening the termination or suspension or material modification, other than modifications customarily implemented during the drug development process, of any clinical or pre-clinical trials that are described in the Registration Statement, the General Disclosure Package and the Final Prospectus or the results of which are referred to in the Registration Statement, General Disclosure Package or the Final Prospectus, and, to the Company’s knowledge, there are no reasonable grounds for same.

(x) *Environmental Laws.* Except as disclosed in the General Disclosure Package, neither the Company nor any of its subsidiaries is in violation of any statute, any rule, regulation, decision or order of any governmental agency or body or any court, domestic or foreign, relating to the use, disposal or release of hazardous or toxic substances or relating to the protection or restoration of the environment or human exposure to hazardous or toxic substances (collectively, “**environmental laws**”), owns or operates any real property contaminated with any substance that is subject to any environmental laws, is liable for any off-site disposal or contamination pursuant to any environmental laws, or is subject to any claim relating to any environmental laws, which violation, contamination, liability or claim would individually or in the aggregate have a Material Adverse Effect; and the Company is not aware of any pending investigation which might lead to such a claim.

(y) *Accurate Disclosure.* The statements in the General Disclosure Package and the Final Prospectus under the heading “Material U.S. Federal Tax Considerations” and “Description of Capital Stock,” and under the heading “Item 1. Business – Patent and Proprietary Rights”, “Item 1. Business – Government Regulation” and “Item 1.A. Risk Factors–We may not have sufficient legal protection against infringement or loss of our intellectual property, and we may lose rights to our licensed intellectual property if diligence requirements are not met” in the Company’s Annual Report on Form 10-K for the year ended December 31, 2011, insofar as such statements summarize legal matters, agreements, documents or proceedings discussed therein, are accurate and fair summaries of such legal matters, agreements, documents or proceedings and present the information required to be shown.

(z) *Absence of Manipulation.* The Company has not taken, directly or indirectly, any action that is designed to or that has constituted or that would reasonably be expected to cause or result in the stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Offered Securities.

(aa) *Statistical and Market-Related Data.* Any third-party statistical and market-related data included or incorporated by reference in a Registration Statement, a Statutory Prospectus or the General Disclosure Package are based on or derived from sources that the Company believes to be reliable and accurate.

(bb) *Internal Controls and Compliance with the Sarbanes-Oxley Act.* Except as set forth in the General Disclosure Package, the Company, its subsidiaries and the Company’s Board of Directors (the “**Board**”) are in compliance with Sarbanes-Oxley and all applicable Exchange Rules. The Company maintains a system of internal controls, including, but not limited to, disclosure controls and procedures, internal controls over accounting matters and financial reporting, an internal audit function and legal and regulatory compliance controls (collectively, “**Internal Controls**”) that comply with the Securities Laws and are sufficient to provide reasonable assurances that xi) transactions are executed in accordance with management’s general or specific authorizations, xii) transactions are recorded as necessary to permit preparation of financial statements in conformity with U.S. General Accepted Accounting Principles and to maintain accountability for assets, xiii) access to assets is permitted only in accordance with management’s general or specific authorization, xiv) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences and xv) the interactive data in eXtensible Business Reporting Language included or incorporated by reference in the Registration Statement, the General Disclosure Package and the Final Prospectus fairly presents the information called for in all material respects and is prepared in accordance with the Commission’s rules and guidelines applicable thereto. The Internal Controls are, or upon consummation of the offering of the Offered Securities will be, overseen by the Audit Committee (the “**Audit Committee**”) of the Board in accordance with Exchange Rules. The Company has not publicly disclosed or reported to the Audit Committee or the Board, and within the next 90 days the Company does not reasonably expect to publicly disclose or report to the Audit Committee or the Board, a significant deficiency, material weakness, change in Internal Controls or fraud involving management or other employees who have a significant role in Internal Controls (each, an “**Internal Control Event**”), any violation of, or failure to comply with, the Securities Laws, or any matter which, if determined adversely, would have a Material Adverse Effect.

(cc) *Litigation.* Except as disclosed in the General Disclosure Package, there are no pending actions, suits or proceedings (including any inquiries or investigations by any court or governmental agency or body, domestic or foreign) against or affecting the Company, any of its subsidiaries or any of their respective properties that, if determined adversely to the Company or any of its subsidiaries, would individually or in the aggregate have a Material Adverse Effect, or would materially and adversely affect the ability of the Company to perform its obligations under this Agreement, or which are otherwise material in the context of the sale of the Offered Securities; and no such actions, suits or proceedings (including any inquiries or investigations by any court or governmental agency or body, domestic or foreign) are, to the Company’s knowledge, threatened or contemplated.

(dd) *Financial Statements*. The financial statements included in the Registration Statement and the General Disclosure Package, together with the related notes and schedules thereto, present fairly the financial position of the Company and its consolidated subsidiaries as of the dates shown and their results of operations and cash flows for the periods shown, and such financial statements have been prepared in conformity with the generally accepted accounting principles in the United States (“U.S. GAAP”) applied on a consistent basis and the assumptions used in preparing the pro forma financial statements included in the Registration Statement and, BDO USA, LLP, which has certified the financial statements of the Company included in, or incorporated by reference into, the General Disclosure Package and the Final Prospectus, is an independent registered public accounting firm with respect to the Company within the rules and Regulations and as required by the Act and the applicable rules and guidance from the Public Company Accounting Oversight Board (United States). The summary and selected financial and statistical data included in the Registration Statement, the General Disclosure Package, and the Final Prospectus presents fairly the information shown therein and such data has been compiled on a basis consistent with the financial statements presented therein and the books and records of the Company. The Company does not have any material liabilities or obligations, direct or contingent (including any off-balance sheet obligations or any “variable interest entities” within the meaning of Financial Accounting Standards Board Interpretation No. 46), not disclosed in the Registration Statement, the General Disclosure Package and the Final Prospectus. There are no financial statements that are required to be included in the Registration Statement, the General Disclosure Package or the Final Prospectus that are not included as required. The interactive data in eXtensible Business Reporting Language included or incorporated by reference in the Registration Statement, the General Disclosure Package and the Final Prospectus fairly presents the information called for in all material respects and has been prepared in accordance with the Commission's rules and guidelines applicable thereto.

(ee) *No Material Adverse Change in Business*. Except as disclosed in the General Disclosure Package, since the end of the period covered by the latest audited financial statements included in the General Disclosure Package (i) there has been no change, nor any development or event involving a prospective change, in the condition (financial or otherwise), results of operations, business, properties or prospects of the Company and its subsidiaries, taken as a whole that is material and adverse, (ii) except as disclosed in the General Disclosure Package, there has been no dividend or distribution of any kind declared, paid or made by the Company on any class of its capital stock and (iii) except as disclosed in the General Disclosure Package, there has been no material adverse change in the capital stock, short-term indebtedness, long-term indebtedness, net current assets or net assets of the Company and its subsidiaries (iv) there has been no material transaction entered into and there is no material transaction that is probable of being entered into by the Company other than transactions in the ordinary course of business, (v) there has been no obligation, direct or contingent, that is material to the Company taken as a whole, incurred by the Company, except obligations incurred in the ordinary course of business and (vi) neither the Company nor any of its subsidiaries has sustained any loss or interference with its business from fire, explosion, flood or other calamity, whether or not covered by insurance, or from any labor disturbance or dispute or any action, order or decree of any court or arbitrator or governmental or regulatory authority.

(ff) *Investment Company Act*. The Company is not and, after giving effect to the offering and sale of the Offered Securities and the application of the proceeds thereof as described in the General Disclosure Package, will not be an “investment company” as defined in the Investment Company Act of 1940 (the “Investment Company Act”).

(gg) *Ratings*. No “nationally recognized statistical rating organization” as such term is defined for purposes of Rule 436(g)(2) xvi) has imposed (or has informed the Company that it is considering imposing) any condition (financial or otherwise) on the Company’s retaining any rating assigned to the Company or any securities of the Company or xvii) has indicated to the Company that it is considering any of the actions described in Section 6(c)(ii) hereof.

(hh) *No Unlawful Payment.* Neither the Company nor any of its subsidiaries nor, to the knowledge of the Company, any director, officer, agent, employee or other person associated with or acting on behalf of the Company or any of its subsidiaries has (i) used any corporate funds for any unlawful contribution, gift, entertainment or other unlawful expense relating to political activity; (ii) made any direct or indirect unlawful payment to any foreign or domestic government official or employee from corporate funds; (iii) violated or is in violation of any provision of the Foreign Corrupt Practices Act of 1977; or (iv) made any bribe, rebate, payoff, influence payment, kickback or other unlawful payment.

(ii) *Compliance with Anti-Money Laundering Laws.* The operations of the Company and its subsidiaries are and have been conducted at all times in compliance with applicable financial recordkeeping and reporting requirements of the Currency and Foreign Transactions Reporting Act of 1970, as amended, the anti-money laundering statutes of all jurisdictions, the rules and regulations thereunder and any related or similar rules, regulations and guidelines issued, administered or enforced by any governmental agency (collectively, the “**Anti-Money Laundering Laws**”) and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company or any of its subsidiaries with respect to the Anti-Money Laundering Laws is pending or, to the knowledge of the Company, threatened.

(jj) *Compliance with OFAC.* None of the Company, any of its subsidiaries or any director, officer, agent, employee or affiliate of the Company or any of its subsidiaries is currently subject to any U.S. sanctions administered by the Office of Foreign Assets Control of the U.S. Department of the Treasury (“**OFAC**”); and the Company will not directly or indirectly, use the proceeds of the offering and sale of the Offered Securities, or lend, contribute or otherwise make available such proceeds to any subsidiary, joint venture partner or other person or entity, for the purpose of financing the activities of any person currently subject to any U.S. sanctions administered by OFAC.

(kk) *No Restrictions on Payments by Subsidiaries.* No subsidiary of the Company is currently prohibited, directly or indirectly, under any agreement or other instrument to which it is a party or is subject, (i) from paying any dividends to the Company, (ii) from making any other distribution on such subsidiary’s capital stock, (iii) from repaying to the Company any loans or advances to such subsidiary from the Company or (iv) from transferring any of such subsidiary’s material properties or assets to the Company or any other subsidiary of the Company.

(ll) *Compliance with U.S. Law Applicable to Foreign Activities .* Each of the Company, its subsidiaries, and to the knowledge of the Company, its affiliates and any of their respective officers, directors, supervisors, managers, agents, or employees, has not violated, its participation in the offering will not violate, and it has instituted and maintains policies and procedures designed to ensure continued compliance each of the following laws: (a) anti-bribery laws, including but not limited to, any applicable law, rule, or regulation of any locality, including but not limited to any law, rule, or regulation promulgated to implement the OECD Convention on Combating Bribery of Foreign Public Officials in International Business Transactions, signed December 17, 1997, including the U.S. Foreign Corrupt Practices Act of 1977 or any other law, rule or regulation of similar purpose and scope, (b) anti-money laundering laws, including but not limited to, applicable federal, state, international, foreign or other laws, regulations or government guidance regarding anti-money laundering, including, without limitation, Title 18 U.S. Code section 1956 and 1957, the Patriot Act, the Bank Secrecy Act, and international anti-money laundering principals or procedures by an intergovernmental group or organization, such as the Financial Action Task Force on Money Laundering, of which the United States is a member and with which designation the United States representative to the group or organization continues to concur, all as amended, and any Executive order, directive, or regulation pursuant to the authority of any of the foregoing, or any orders or licenses issued thereunder or (c) laws and regulations imposing U.S. economic sanctions measures, including, but not limited to, the International Emergency Economic Powers Act, the Trading with the Enemy Act, the United Nations Participation Act, and the Syria Accountability and Lebanese Sovereignty Act, all as amended, and any Executive Order, directive, or regulation pursuant to the authority of any of the foregoing, including the regulations of the United States Treasury Department set forth under 31 CFR, Subtitle B, Chapter V, as amended, or any orders or licenses issued thereunder.

(mm) *Filing of Tax Returns.* The Company and its subsidiaries have filed all federal, state, local and non-U.S. tax returns that are required to be filed or have requested extensions thereof (except in any case in which the failure so to file would not, individually or in the aggregate, have a Material Adverse Effect); except as set forth in the General Disclosure Package, the Company and its subsidiaries have paid all taxes (including any assessments, fines or penalties) required to be paid by them, except for any such taxes, assessments, fines or penalties currently being contested in good faith and for which reserves required by U.S. GAAP have been created in the financial statements of the Company or as would not, individually or in the aggregate, have a Material Adverse Effect; and no tax deficiency has been determined adversely to the Company or any of its subsidiaries which has had (nor does the Company nor any of its subsidiaries have any notice or knowledge of any tax deficiency which could reasonably be expected to be determined adversely to the Company or its subsidiaries and which could reasonably be expected to have) a Material Adverse Effect.

(nn) *Insurance.* The Company and its subsidiaries are insured by insurers with appropriately rated claims paying abilities against such losses and risks and in such amounts as are prudent and customary for the businesses in which they are engaged; all policies of insurance insuring the Company or any of its subsidiaries or their respective businesses, assets, employees, officers and directors are in full force and effect; the Company and its subsidiaries are in compliance with the terms of such policies and instruments in all material respects; and there are no claims by the Company or any of its subsidiaries under any such policy or instrument as to which any insurance company is denying liability or defending under a reservation of rights clause; neither the Company nor any such subsidiary has been refused any insurance coverage sought or applied for; and neither the Company nor any such subsidiary has any reason to believe that it will not be able to renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business at a cost that would not have a Material Adverse Effect, except as set forth in or contemplated in the General Disclosure Package.

(oo) *Documents Incorporated by Reference.* The documents incorporated by reference in the Registration Statement, General Disclosure Package and Final Prospectus, when they became effective or were filed with the Commission, as the case may be, conformed in all material respects to the requirements of the Act or the Exchange Act, as applicable, and were filed on a timely basis with the Commission and none of such documents contained an untrue statement of a material fact or omitted to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading; any further documents so filed and incorporated by reference in the Registration Statement, General Disclosure Package and Final Prospectus, when such documents are filed with the Commission, will conform in all material respects to the requirements of the Exchange Act, and will not contain an untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading.

3. *Purchase, Sale and Delivery of Offered Securities.* On the basis of the representations, warranties and agreements and subject to the terms and conditions set forth herein, the Company agrees to sell to the Underwriter, and the Underwriter agrees to purchase from the Company, at a purchase price of \$2.914 per share, 1,542,389 Offered Securities.

The Company will deliver the Offered Securities to or as instructed by the Underwriter in a form reasonably acceptable to the Underwriter against payment of the purchase price by the Underwriter in Federal (same day) funds by wire transfer to an account at a bank designated by the Company and acceptable to the Underwriter drawn to the order of the Company at the office of Goodwin Procter LLP, at 8:00 A.M., New York time, on February 4, 2013 or at such other time not later than seven full business days thereafter as the Underwriter and the Company determine, such time being herein referred to as the “**Closing Date**”. For purposes of Rule 15c6-1 under the Exchange Act, the Closing Date (if later than the otherwise applicable settlement date) shall be the settlement date for payment of funds and delivery of securities for all the Offered Securities sold pursuant to the offering. The Offered Securities so to be delivered or evidence of their issuance will be made available for checking at the above office of Goodwin Procter LLP at least 24 hours prior to the Closing Date.

The purchase price payable by the Underwriter shall be reduced by (i) any transfer taxes paid by, or on behalf of, the Underwriter in connection with the transfer of the Offered Securities to the Underwriter and (ii) any withholding required by law.

4. *Offering by Underwriter.* It is understood that the Underwriter proposes to offer the Offered Securities for sale to the public as set forth in the Final Prospectus.

5. *Certain Agreements of the Company.* The Company agrees with the Underwriter that:

(a) *Filing of Prospectuses.* The Company has filed or will file each Statutory Prospectus (including the Final Prospectus) pursuant to and in accordance with Rule 424(b)(2) (or, if applicable and consented to by the Underwriter, subparagraph (5)) not later than the second business day following the earlier of the date it is first used or the execution and delivery of this Agreement. The Company has complied and will comply with Rule 433.

(b) *Filing of Amendments; Response to Commission Requests.* The Company will promptly advise the Underwriter of any proposal to amend or supplement the Registration Statement or any Statutory Prospectus at any time and will offer the Underwriter a reasonable opportunity to comment on any such amendment or supplement; and the Company will also advise the Underwriter promptly of xviii) the filing of any such amendment or supplement, xix) any request by the Commission or its staff for any amendment to the Registration Statement, for any supplement to any Statutory Prospectus or for any additional information, xx) the institution by the Commission of any stop order proceedings in respect of the Registration Statement or the threatening of any proceeding for that purpose, and xxi) the receipt by the Company of any notification with respect to the suspension of the qualification of the Offered Securities in any jurisdiction or the institution or threatening of any proceedings for such purpose. The Company will use its best efforts to prevent the issuance of any such stop order or the suspension of any such qualification and, if issued, to obtain as soon as possible the withdrawal thereof.

(c) *Continued Compliance with Securities Laws.* If, at any time when a prospectus relating to the Offered Securities is (or but for the exemption in Rule 172 would be) required to be delivered under the Act by the Underwriter or any dealer, any event occurs as a result of which the Final Prospectus as then amended or supplemented would include an untrue statement of a material fact or omit to state any material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading, or if it is necessary at any time to amend the Registration Statement or supplement the Final Prospectus to comply with the Act, the Company will promptly notify the Underwriter of such event and will promptly prepare and file with the Commission and furnish, at its own expense, to the Underwriter and its dealers and any other dealers upon request of the Underwriter, an amendment or supplement which will correct such statement or omission or an amendment which will effect such compliance. Neither the Underwriter's consent to, nor the Underwriter's delivery of, any such amendment or supplement shall constitute a waiver of any of the conditions set forth in Section 6 hereof.

(d) *Rule 158.* As soon as practicable, but not later than 16 months after the date of this Agreement, the Company will make generally available to its securityholders an earnings statement covering a period of at least 12 months beginning after the date of this Agreement and satisfying the provisions of Section 11(a) of the Act and Rule 158.

(e) *Furnishing of Prospectuses.* The Company will furnish to the Underwriter copies of the Registration Statement, including all exhibits, any Statutory Prospectus, the Final Prospectus and all amendments and supplements to such documents, in each case as soon as available and in such quantities as the Underwriter reasonably requests. The Company will pay the expenses of printing and distributing to the Underwriter all such documents.

(f) *Blue Sky Qualifications.* The Company will arrange for the qualification of the Offered Securities for sale under the laws of such jurisdictions as the Underwriter designates and will continue such qualifications in effect so long as required for the distribution, except that in no event shall the Company be obligated in connection therewith to execute a general consent to service of process in any such jurisdiction, except where already qualified or subject to process.

(g) *Reporting Requirements.* During the period of 5 years hereafter, the Company will furnish to the Underwriter, as soon as practicable after the end of each fiscal year, a copy of its annual report to stockholders for such year; and the Company will furnish to the Underwriter xxii) as soon as available, a copy of each report and any definitive proxy statement of the Company filed with the Commission under the Exchange Act or mailed to stockholders, and xxiii) from time to time, such other information concerning the Company as the Underwriter may reasonably request. However, so long as the Company is subject to the reporting requirements of either Section 13 or Section 15(d) of the Exchange Act and is timely filing reports with the Commission on its Electronic Data Gathering, Analysis and Retrieval system ("EDGAR"), it is not required to furnish such reports or statements to the Underwriter.

(h) *Payment of Expenses.* The Company agrees with the Underwriter that the Company will pay all expenses incident to the performance of the obligations of the Company under this Agreement, including but not limited to any filing fees and other expenses (including reasonable fees and disbursements of counsel to the Underwriter) incurred in connection with qualification of the Offered Securities for sale under the laws of such jurisdictions as the Underwriter designates and the preparation and printing of memoranda relating thereto, costs and expenses related to the review by the Financial Industry Regulatory Authority of the Offered Securities (including filing fees and the fees and expenses of counsel for the Underwriter relating to such review), costs and expenses relating to investor presentations or any “road show” in connection with the offering and sale of the Offered Securities including, without limitation, any travel expenses of the Company’s officers and employees and any other expenses of the Company including the chartering of airplanes, fees and expenses incident to listing the Offered Securities on the New York Stock Exchange, NYSE MKT, NASDAQ Stock Market and other national and foreign exchanges, fees and expenses in connection with the registration of the Offered Securities under the Exchange Act, expenses incurred in distributing preliminary prospectuses and the Final Prospectus (including any amendments and supplements thereto) to the Underwriter and for expenses incurred for preparing, printing and distributing any Issuer Free Writing Prospectuses to investors or prospective investors, and all costs and expenses related to the transfer and delivery of the Offered Securities to the Underwriter, including any transfer or other taxes payable thereon. Notwithstanding anything to the contrary herein, the Company shall not be required to pay any expenses for fees and disbursements of counsel to the Underwriter in excess of \$37,500.

(i) *Use of Proceeds.* The Company will use the net proceeds received in connection with this offering in the manner described in the “Use of Proceeds” section of the General Disclosure Package and, except as disclosed in the General Disclosure Package, the Company does not intend to use any of the proceeds from the sale of the Offered Securities hereunder to repay any outstanding debt owed to any affiliate of the Underwriter.

(j) *Absence of Manipulation.* The Company will not take, directly or indirectly, any action designed to or that would constitute or that might reasonably be expected to cause or result in, stabilization or manipulation of the price of any securities of the Company to facilitate the sale or resale of the Offered Securities.

(k) *USA Patriot Act.* In accordance with the requirements of the USA Patriot Act, the Company acknowledges and agrees that the Underwriter is required to obtain, verify and record information that identifies their respective clients, including the Company, which information may include the name and address of their respective clients, as well as other information that will allow the Underwriter to properly make such identifications.

(l) *Free Writing Prospectuses.* The Company represents and agrees that, unless it obtains the prior consent of the Underwriter, and the Underwriter represents and agrees that, unless it obtains the prior consent of the Company, it has not made and will not make any offer relating to the Offered Securities that would constitute an Issuer Free Writing Prospectus, or that would otherwise constitute a “free writing prospectus,” as defined in Rule 405, required to be filed with the Commission. Any such free writing prospectus consented to by the Company and the Underwriter is hereinafter referred to as a “**Permitted Free Writing Prospectus.**” The Company represents that it has treated and agrees that it will treat each Permitted Free Writing Prospectus as an “issuer free writing prospectus,” as defined in Rule 433, and has complied and will comply with the requirements of Rules 164 and 433 applicable to any Permitted Free Writing Prospectus, including timely Commission filing where required, legending and record keeping.

6. *Conditions of the Obligations of the Underwriter.* The obligations of the Underwriter to purchase and pay for the Offered Securities on the Closing Date will be subject to the accuracy of the representations and warranties of the Company herein (as though made on the Closing Date), to the accuracy of the statements of Company officers made pursuant to the provisions hereof, to the performance by the Company of its obligations hereunder and to the following additional conditions precedent:

(a) *Filing of Prospectus.* The Final Prospectus shall have been filed with the Commission in accordance with the Rules and Regulations and Section 5(a) hereof. No stop order suspending the effectiveness of the Registration Statement or of any part thereof shall have been issued and no proceedings for that purpose shall have been instituted or, to the knowledge of the Company or the Underwriter, shall be contemplated by the Commission.

(b) *No Material Adverse Change.* Subsequent to the execution and delivery of this Agreement, there shall not have occurred (1) any change, or any development or event involving a prospective change, in the condition (financial or otherwise), results of operations, business, properties or prospects of the Company and its subsidiaries taken as a whole which, in the judgment of the Underwriter, is material and adverse and makes it impractical or inadvisable to market the Offered Securities; (2) any downgrading in the rating of any debt securities or preferred stock of the Company by any “**nationally recognized statistical rating organization**” (as defined for purposes of Rule 436(g)), or any public announcement that any such organization has under surveillance or review its rating of any debt securities or preferred stock of the Company (other than an announcement with positive implications of a possible upgrading, and no implication of a possible downgrading, of such rating) or any announcement that the Company has been placed on negative outlook; (3) any change in U.S. or international financial, political or economic conditions or currency exchange rates or exchange controls the effect of which is such as to make it, in the judgment of the Underwriter, impractical to market or to enforce contracts for the sale of the Offered Securities, whether in the primary market or in respect of dealings in the secondary market; (4) any suspension or material limitation of trading in securities generally on the New York Stock Exchange, NYSE MKT, NASDAQ, or any setting of minimum or maximum prices for trading on such exchange; (5) or any suspension of trading of any securities of the Company on any exchange or in the over-the-counter market; (6) any banking moratorium declared by any U.S. federal or New York authorities; (7) any major disruption of settlements of securities, payment, or clearance services in the United States or any other country where such securities are listed or (8) any attack on, outbreak or escalation of hostilities or act of terrorism involving the United States, any declaration of war by Congress or any other national or international calamity or emergency if, in the judgment of the Underwriter, the effect of any such attack, outbreak, escalation, act, declaration, calamity or emergency is such as to make it impractical or inadvisable to market the Offered Securities or to enforce contracts for the sale of the Offered Securities.

(c) *Opinion of Counsel for Company.* The Underwriter shall have received an opinion, dated such Closing Date, of Porter Wright Morris & Arthur LLP, counsel for the Company, in form and substance satisfactory to the Underwriter, to the effect set forth in Schedule D hereto.

(d) *Intentionally Omitted.*

(e) *Opinion of Counsel for Underwriter.* The Underwriter shall have received from Goodwin Procter LLP, counsel for the Underwriter, such opinion or opinions, dated such Closing Date, with respect to such matters as the Underwriter may require, and the Company shall have furnished to such counsel such documents as they request for the purpose of enabling them to pass upon such matters.

(f) *Officer’s Certificate.* The Underwriter shall have received a certificate, dated such Closing Date, of an executive officer of the Company and a principal financial or accounting officer of the Company in which such officers shall state that: the representations and warranties of the Company in this Agreement are true and correct; the Company has complied with all agreements and satisfied all conditions on its part to be performed or satisfied hereunder at or prior to such Closing Date; no stop order suspending the effectiveness of the Registration Statement has been issued and no proceedings for that purpose have been instituted or, to the best of their knowledge and after reasonable investigation, are contemplated by the Commission; and, subsequent to the date of the most recent financial statements in the General Disclosure Package, there has been no material adverse change, nor any development or event involving a prospective material adverse change, in the condition (financial or otherwise), results of operations, business, properties or prospects of the Company and its subsidiaries taken as a whole except as set forth in the General Disclosure Package or as described in such certificate.

(g) *Chief Financial Officer’s Certificate.* The Underwriter shall have received a certificate, dated such Closing Date, of the principal financial or accounting officer of the Company, with respect to such matters as the Underwriter may require.

(h) *[Intentionally Omitted].*

(i) [Intentionally Omitted].

The Company will furnish the Underwriter with any additional opinions, certificates, letters and documents as the Underwriter reasonably requests and conformed copies of documents delivered pursuant to this section. The Underwriter may in its sole discretion waive compliance with any conditions to the obligations of the Underwriter hereunder.

7. Indemnification and Contribution.

(a) *Indemnification of Underwriter by the Company.* The Company will indemnify and hold harmless the Underwriter, its partners, members, directors, officers, employees, agents, affiliates and each person, if any, who controls the Underwriter within the meaning of Section 15 of the Act or Section 20 of the Exchange Act (each, an “**Indemnified Party**”), against any and all losses, claims, damages or liabilities, joint or several, to which such Indemnified Party may become subject, under the Act, the Exchange Act, other Federal or state statutory law or regulation or otherwise, insofar as such losses, claims, damages or liabilities (or actions in respect thereof) arise out of or are based upon any untrue statement or alleged untrue statement of any material fact contained in any part of the Registration Statement at any time, any Statutory Prospectus as of any time, the Final Prospectus or any Issuer Free Writing Prospectus, or arise out of or are based upon the omission or alleged omission of a material fact required to be stated therein or necessary to make the statements therein not misleading, and will reimburse each Indemnified Party for any legal or other expenses reasonably incurred by such Indemnified Party in connection with investigating or defending against any such loss, claim, damage, liability, action, litigation, investigation or proceeding whatsoever (whether or not such Indemnified Party is a party thereto), whether threatened or commenced, and in connection with the enforcement of this provision with respect to any of the above as such expenses are incurred; provided, however, that the Company will not be liable in any such case to the extent that any such loss, claim, damage or liability arises out of or is based upon an untrue statement or alleged untrue statement in or omission or alleged omission from any of such documents in reliance upon and in conformity with written information furnished to the Company by the Underwriter specifically for use therein, it being understood and agreed that the only such information furnished by the Underwriter consists of the information described as such in subsection (b) below.

(b) *Indemnification of Company.* The Underwriter will indemnify and hold harmless the Company, each of its directors and each of its officers who signs a Registration Statement and each person, if any, who controls the Company within the meaning of Section 15 of the Act or Section 20 of the Exchange Act (each, an “**Underwriter Indemnified Party**”), against any losses, claims, damages or liabilities to which such Underwriter Indemnified Party may become subject, under the Act, the Exchange Act, other Federal or state statutory law or regulation or otherwise, insofar as such losses, claims, damages or liabilities (or actions in respect thereof) arise out of or are based upon any untrue statement or alleged untrue statement of any material fact contained in any part of the Registration Statement at any time, any Statutory Prospectus as of any time, the Final Prospectus, or any Issuer Free Writing Prospectus, or arise out of or are based upon the omission or the alleged omission of a material fact required to be stated therein or necessary to make the statements therein not misleading, in each case to the extent, but only to the extent, that such untrue statement or alleged untrue statement or omission or alleged omission was made in reliance upon and in conformity with written information furnished to the Company by the Underwriter specifically for use therein, and will reimburse any legal or other expenses reasonably incurred by such Underwriter Indemnified Party in connection with investigating or defending against any such loss, claim, damage, liability, action, litigation, investigation or proceeding whatsoever (whether or not such Underwriter Indemnified Party is a party thereto), whether threatened or commenced, based upon any such untrue statement or omission, or any such alleged untrue statement or omission as such expenses are incurred, it being understood and agreed that the only such information furnished by the Underwriter consists of the following information in the Final Prospectus furnished by the Underwriter: paragraph 3 under the caption “Underwriting”.

(c) *Actions against Parties; Notification.* Promptly after receipt by an indemnified party under this Section of notice of the commencement of any action, such indemnified party will, if a claim in respect thereof is to be made against the indemnifying party under subsection (a) or (b) above, notify the indemnifying party of the commencement thereof; but the failure to notify the indemnifying party shall not relieve it from any liability that it may have under subsection (a) or (b) above except to the extent that it has been materially prejudiced (through the forfeiture of substantive rights or defenses) by such failure; and provided further that the failure to notify the indemnifying party shall not relieve it from any liability that it may have to an indemnified party otherwise than under subsection (a) or (b) above. In case any such action is brought against any indemnified party and it notifies the indemnifying party of the commencement thereof, the indemnifying party will be entitled to participate therein and, to the extent that it may wish, jointly with any other indemnifying party similarly notified, to assume the defense thereof, with counsel satisfactory to such indemnified party (who shall not, except with the consent of the indemnified party, be counsel to the indemnifying party), and after notice from the indemnifying party to such indemnified party of its election so to assume the defense thereof, the indemnifying party will not be liable to such indemnified party under this Section for any legal or other expenses subsequently incurred by such indemnified party in connection with the defense thereof other than reasonable costs of investigation. No indemnifying party shall, without the prior written consent of the indemnified party, effect any settlement of any pending or threatened action in respect of which any indemnified party is or could have been a party and indemnity could have been sought hereunder by such indemnified party unless such settlement (i) includes an unconditional release of such indemnified party from all liability on any claims that are the subject matter of such action and (ii) does not include a statement as to, or an admission of, fault, culpability or a failure to act by or on behalf of an indemnified party.

(d) *Contribution.* If the indemnification provided for in this Section is unavailable or insufficient to hold harmless an indemnified party under subsection (a) or (b) above, then each indemnifying party shall contribute to the amount paid or payable by such indemnified party as a result of the losses, claims, damages or liabilities referred to in subsection (a) or (b) above (i) in such proportion as is appropriate to reflect the relative benefits received by the Company on the one hand and the Underwriter on the other from the offering of the Offered Securities or (ii) if the allocation provided by clause (i) above is not permitted by applicable law, in such proportion as is appropriate to reflect not only the relative benefits referred to in clause (i) above but also the relative fault of the Company on the one hand and the Underwriter on the other in connection with the statements or omissions which resulted in such losses, claims, damages or liabilities as well as any other relevant equitable considerations. The relative benefits received by the Company on the one hand and the Underwriter on the other shall be deemed to be in the same proportion as the total net proceeds from the offering (before deducting expenses) received by the Company bear to the total underwriting discounts and commissions received by the Underwriter. The relative fault shall be determined by reference to, among other things, whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information supplied by the Company or the Underwriter and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such untrue statement or omission. The amount paid by an indemnified party as a result of the losses, claims, damages or liabilities referred to in the first sentence of this subsection (d) shall be deemed to include any legal or other expenses reasonably incurred by such indemnified party in connection with investigating or defending any action or claim which is the subject of this subsection (d). Notwithstanding the provisions of this subsection (d), the Underwriter shall not be required to contribute any amount in excess of the amount by which the total price at which the Securities underwritten by it and distributed to the public were offered to the public exceeds the amount of any damages which the Underwriter has otherwise been required to pay by reason of such untrue or alleged untrue statement or omission or alleged omission. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation. The Company and the Underwriter agree that it would not be just and equitable if contribution pursuant to this Section (d) were determined by pro rata allocation or by any other method of allocation which does not take account of the equitable considerations referred to in this Section (d).

8. *Survival of Certain Representations and Obligations.* The respective indemnities, agreements, representations, warranties and other statements of the Company or its officers and of the Underwriter set forth in or made pursuant to this Agreement will remain in full force and effect, regardless of any investigation, or statement as to the results thereof, made by or on behalf of the Underwriter, the Company or any of their respective representatives, officers or directors or any controlling person, and will survive delivery of and payment for the Offered Securities. If the purchase of the Offered Securities by the Underwriter is not consummated because: (a) the Company shall fail to tender the Offered Securities for delivery to the Underwriter for any reason not permitted under this Agreement, or (b) the sale of the Offered Securities is not consummated because any condition to the obligations of the Underwriter set forth herein is not satisfied or because of the refusal, inability or failure on the part of the Company to perform any agreement herein or to satisfy any condition or to comply with the provisions hereof, the Company will reimburse the Underwriter for all out-of-pocket expenses (including fees and disbursements of counsel) reasonably incurred by them in connection with the offering of the Offered Securities, and the respective obligations of the Company and the Underwriter pursuant to Section 7 hereof shall remain in effect. In addition, if any Offered Securities have been purchased hereunder, the representations and warranties in Section 2 and all obligations under Section 4 shall also remain in effect.

9. *Notices.* All communications hereunder will be in writing and, if sent to the Underwriter, will be mailed, delivered and confirmed to it at Ladenburg Thalmann & Co. Inc., Attn: Syndicate Department, 58 South Service Road, Suite 160, Melville, NY 11747 (telephone number 631-270-1600), and if sent to the Company, will be mailed, delivered and confirmed to it at Navidea Biopharmaceuticals, Inc., 425 Metro Place North, Suite 450, Dublin, OH 43017-1367, Attn: Chief Executive Officer, (telephone number 614-793-7500).

10. *Successors.* This Agreement will inure to the benefit of and be binding upon the parties hereto and their respective successors and the officers and directors and controlling persons referred to in Section and no other person will have any right or obligation hereunder.

11. *Counterparts.* This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, but all such counterparts shall together constitute one and the same Agreement.

12. *Absence of Fiduciary Relationship.* The Company acknowledges and agrees that:

(a) *No Other Relationship.* The Underwriter has been retained solely to act as underwriter in connection with the sale of Offered Securities and that no fiduciary, advisory or agency relationship between the Company, on the one hand, and the Underwriter on the other, has been created in respect of any of the transactions contemplated by this Agreement or the Final Prospectus, irrespective of whether the Underwriter has advised or is advising the Company on other matters;

(b) *Arms' Length Negotiations.* The price of the Offered Securities set forth in this Agreement was established by the Company following discussions and arms-length negotiations with the Underwriter and the Company is capable of evaluating and understanding and understand and accept the terms, risks and conditions of the transactions contemplated by this Agreement;

(c) *Absence of Obligation to Disclose.* The Company has been advised that the Underwriter and its affiliates are engaged in a broad range of transactions which may involve interests that differ from those of the Company and that the Underwriter has no obligation to disclose such interests and transactions to the Company by virtue of any fiduciary, advisory or agency relationship; and

(d) *Waiver.* The Company waives, to the fullest extent permitted by law, any claims it may have against the Underwriter for breach of fiduciary duty or alleged breach of fiduciary duty and agrees that the Underwriter shall have no liability (whether direct or indirect) to the Company in respect of such a fiduciary duty claim or to any person asserting a fiduciary duty claim on behalf of or in right of the Company, including stockholders, employees or creditors of the Company.

13. *Applicable Law.* ***This Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.***

The Company hereby submits to the non-exclusive jurisdiction of the Federal and state courts in the Borough of Manhattan in The City of New York in any suit or proceeding arising out of or relating to this Agreement or the transactions contemplated hereby. The Company irrevocably and unconditionally waives any objection to the laying of venue of any suit or proceeding arising out of or relating to this Agreement or the transactions contemplated hereby in Federal and state courts in the Borough of Manhattan in The City of New York and irrevocably and unconditionally waives and agrees not to plead or claim in any such court that any such suit or proceeding in any such court has been brought in an inconvenient forum.

If the foregoing is in accordance with the Underwriter's understanding of our agreement, kindly sign and return to the Company one of the counterparts hereof, whereupon it will become a binding agreement among the Company and the Underwriter in accordance with its terms.

Very truly yours,

Navidea Biopharmaceuticals, Inc.

By /s/ Brent L. Larson

Name: Brent L. Larson

Title: Sr. Vice President and Chief Financial Officer

The foregoing Underwriting Agreement is hereby confirmed and accepted as of the date first above written.

LADENBURG THALMANN & CO. INC.

By: /s/ David J. Strupp, Jr.

Name: David J. Strupp, Jr.

Title: Managing Director

SCHEDULE A

1. General Use Free Writing Prospectuses (included in the General Disclosure Package)

None.

2. Other Information Included in the General Disclosure Package

The following information is also included in the General Disclosure Package:

1. Public offering price per share of Offered Securities: \$3.10
2. Number of shares of Offered Securities: 1,542,389
3. Price per share of Offered Securities to Underwriter: \$2.914

SCHEDULE B

<u>Subsidiary</u>	<u>Jurisdiction</u>	<u>Ownership</u>
Cardiosonix Ltd.	Israel	100%
Cira Biosciences, Inc.	Delaware	90%*
RIGSTech I Corporation	Delaware	100%
Navidea Biopharmaceuticals Limited	United Kingdom	100%

*Cira, LLC, a Delaware limited liability company, holds the remaining 10% equity interest of Cira Biosciences, Inc.

SCHEDULE C

1. On July 31, 2012, the Company entered into a sublicense agreement (the “Sublicense Agreement”) with Alseres Pharmaceuticals, Inc. (“Alseres”). In consideration for the license granted by Alseres pursuant to the Sublicense Agreement, the Company agreed to make a one-time sub-license execution payment to Alseres consisting of (i) \$175,000 in cash and (ii) the issuance of 300,000 shares of the Company’s common stock (“Common Stock”).

2. On June 22, 2010, the Company entered into a Securities Exchange Agreement with David C. Bupp and Cynthia B. Gochoco, both individually and as co-executors of the Estate of Walter H. Bupp (the “Bupp Investors”), pursuant to which the Company issued the Bupp Investors 1,000 shares of the Company’s Series C Convertible Preferred Stock (“Series C Preferred Stock”). In September 2012, the Bupp Investors completed the transfer of all Series C Preferred Stock to Marksman Investment LLC (“Marksman”). Pursuant to Section 8 of the Certificate of Designations, Voting Powers, Preferences, Limitations, Restrictions, and Relative Rights of Series C Convertible Preferred Stock, the Series C Preferred Stock automatically converted into shares of Common Stock on December 31, 2012, and, pursuant to this automatic conversion, the Company issued Marksman 3,226,000 shares of Common Stock.

3. Also on June 22, 2010, the Company entered into a Securities Exchange Agreement with Platinum-Montaur Life Sciences, LLC (“Montaur”), pursuant to which the Company issued Montaur 10,000 shares of the Company’s Series B Convertible Preferred Stock (“Series B Preferred Stock”). The Certificate of Designations, Voting Powers, Preferences, Limitations, Restrictions, and Relative Rights of Series B Convertible Preferred Stock provides that Montaur has the right convert all or any portion of the shares of Series B Preferred Stock into shares of Common Stock. On July 31, 2012, Montaur elected to convert 1,075 shares of Series B Convertible Preferred Stock into shares of Common Stock, and, pursuant to this conversion, the Company issued Montaur 3,515,250 shares of Common Stock.

SCHEDULE D

The Underwriter shall have received an opinion, dated such Closing Date, of Porter Wright Morris & Arthur LLP, counsel for the Company, to the effect that :

- A. The Company is a corporation validly existing and in good standing under the laws of the State of Delaware, with corporate power and authority to own its properties and conduct its business as described in the General Disclosure Package and to enter into and perform its obligations under the Agreement. The Company is qualified to transact business and is in good standing in the State of Ohio.
- B. Cira Biosciences, Inc., the Company's 90% owned subsidiary ("Cira"), is a corporation validly existing and in good standing under the laws of the State of Delaware, with power and authority (corporate and other) to own its properties and conduct its business as described in the General Disclosure Package. Except as disclosed in the General Disclosure Package, the capital stock of Cira owned by Navidea is owned free from any liens or encumbrances.
- C. The Offered Securities delivered on the Closing Date have been duly authorized, and when delivered on the Closing Date upon payment therefor as provided in this Agreement, will be validly issued, fully paid and nonassessable, and will conform to the information in the General Disclosure Package and to the description of such Offered Securities contained in the Final Prospectus; the authorized equity capitalization of the Company is as set forth in the General Disclosure Package; and the stockholders of the Company have no preemptive rights with respect to the Offered Securities.
- D. To our knowledge there are no contracts, agreements or understandings between the Company and any person granting such person registration rights, except the Registration Rights Agreement dated July 31, 2012 between the Company and Alseres Pharmaceuticals, Inc., attached as Exhibit 10.2 to the Company's Current Report on Form 8-K filed with the Commission on August 6, 2012..
- E. The Company is not and, after giving effect to the offering and sale of the Offered Securities and the application of the proceeds thereof as described in the General Disclosure Package, will not be required to register as an "investment company" as such term is defined in the Investment Company Act.
- F. No consent, approval, authorization or order of, or filing with, any person (including any governmental agency or body or any court) is required to be obtained or be made by the Company for the consummation of the transactions contemplated by the Agreement in connection with the offering, issuance and sale of the Offered Securities by the Company, except such as have been obtained or made and such as may be required under state securities laws.
- G. The execution, delivery and performance of the Agreement and the issuance and sale of the Offered Securities will not result in a breach or violation of any of the terms and provisions of, or constitute a default under, or result in the imposition of any lien, charge or encumbrance upon any property or assets of the Company or Cira pursuant to the charter or by-laws of the Company or Cira, any statute, rule, regulation or order of any governmental agency or body or any court having jurisdiction over the Company or any of its subsidiaries or any of their properties, or any agreement or instrument to which the Company or Cira is a party or by which the Company or any of its subsidiaries is bound or to which any of the properties of the Company or Cira is subject and which is filed as an exhibit to the Registration Statement or as an exhibit to any of the Incorporated Documents, and the Company has full power and authority to authorize, issue and sell the Offered Securities as contemplated by the Agreement.
- H. The Registration Statement has become effective under the Act, and the Final Prospectus was filed with the Commission pursuant to Rule 424(b)(5) on January __, 2013 and, to our knowledge, no stop order suspending the effectiveness of the Registration Statement or any part thereof has been issued and no proceedings for that purpose have been instituted or are pending or contemplated under the Act; to the extent statements in the Registration Statement, General Disclosure Package and Final Prospectus purport to summarize legal matters, material contracts, documents or proceedings, such statements fairly summarize the matters set forth therein in all material respects; and we do not know of any legal or governmental proceedings required to be described in the Registration Statement, General Disclosure Package or the Final Prospectus which are not described as required or of contracts or documents of a character required to be described in the Registration Statement, General Disclosure Package or the Final Prospectus or to be filed as exhibits to the Registration Statement which are not described and filed as required.

- I. This Agreement has been duly authorized, executed and delivered by the Company.
- J. The Registration Statement and the Final Prospectus, as of the date of the Agreement, and each amendment or supplement hereto, as of this date (except for the financial statements and financial schedules and other financial and statistical data included therein), complied as to form in all material respects with the requirements of the Act and the Rules and Regulations.
- K. The statements in the Registration Statement, General Disclosure Package and the Final Prospectus under the heading “Description of Capital Stock” insofar as they summarize provisions of the certificate of incorporation and by-laws of the Company fairly summarize the matters referenced to therein in all material respects.

Porter Wright
Morris & Arthur LLP
41 South High Street
Suites 2800-3200
Columbus, Ohio 43215-6194

Direct: (614) 227-2000
Fax: 614-227-2100
Toll free: 800-533-2794

January 31, 2013

Navidea Biopharmaceuticals, Inc.
425 Metro Place North
Suite 450
Dublin, OH 43017-1367

Ladies and Gentlemen:

With respect to the Registration Statement on Form S-3 (Registration No. 333-173752) (the "Registration Statement"), including the prospectus constituting a part thereof, dated May 9, 2011, as supplemented by the final prospectus supplement dated January 29, 2013 (collectively, the "Prospectus"), filed with the Securities and Exchange Commission by Navidea Biopharmaceuticals, Inc., a Delaware corporation (the "Company"), under the Securities Act of 1933, as amended, relating to the registration of 1,542,389 shares (the "Shares") of the Company's common stock, \$0.001 par value per share, we advise you as follows:

We are counsel for the Company and have participated in the preparation of the Registration Statement and Prospectus. We have reviewed the Company's Amended and Restated Certificate of Incorporation, as corrected and amended, the Company's Amended and Restated By-Laws, the corporate action taken to date in connection with the Registration Statement and the registration of the Shares, the Prospectus, and such other documents and authorities as we deem relevant for the purpose of this opinion.

Based upon the foregoing and in reliance thereon, we are of the opinion that when the Shares covered by the Registration Statement shall have been issued and sold as described in the Registration Statement and Prospectus, the Shares will be validly issued, fully paid and nonassessable.

We are opining herein only as to the effect of the federal laws of the United States, the Delaware General Corporation Law, including the statutory provisions, all applicable provisions of the Delaware Constitution and reported judicial decisions interpreting those laws, and we express no opinion with respect to the applicability thereto, or the effect thereon, of the laws of any other jurisdiction.

January 31, 2013
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We consent to the deemed incorporation by reference of this opinion into the Registration Statement and to the references to our firm therein.

Very truly yours,

/s/ Porter Wright Morris & Arthur LLP

PORTER WRIGHT MORRIS & ARTHUR LLP



Press Release

Exhibit 99.1

FOR IMMEDIATE RELEASE

Navidea Biopharmaceuticals Announces Underwritten Sale of Common Stock

DUBLIN, OHIO, January 30, 2013 — Navidea Biopharmaceuticals, Inc. (NYSE MKT: NAVB), a biopharmaceutical company focused on precision diagnostic radiopharmaceuticals, announced today that it has priced an underwritten sale of common stock in a transaction led by J.P. Morgan Asset Management and involving one other institutional investor. In the offering 1,542,389 shares were sold in an at market transaction at a price of \$3.10 per share for gross proceeds of approximately \$4.8 million. The net proceeds of the financing will be used to fund Navidea's ongoing operations. The sale is expected to close on or about February 4, 2013, subject to the satisfaction of customary closing conditions.

"We are excited that J.P. Morgan Asset Management and another institution, premier investors in the biotechnology sector, have decided to establish meaningful positions in Navidea," said Dr. Mark Pykett, President and CEO of Navidea. "Through our efforts to build relationships with potential institutional investors and catalyze interest in Navidea, we were presented with this targeted opportunity to expand our institutional base with outstanding investors. We are pleased to be able to capitalize on this opportunity to strengthen our shareholder base as we look forward to the approval of our first commercial radiopharmaceutical agent, Lymphoseek."

Ladenburg Thalmann & Co. Inc., a subsidiary of Ladenburg Thalmann Financial Services Inc. (NYSE MKT: LTS), acted as the exclusive underwriter in connection with the offering. The shares described above are being offered pursuant to a shelf registration statement (File No. 333-173752) which was declared effective by the U.S. Securities and Exchange Commission (SEC) on May 9, 2011. A prospectus supplement related to the offering will be filed with the SEC. When filed with the SEC, copies of the prospectus supplement and the accompanying base prospectus relating to this offering may be obtained at the SEC's website at <http://www.sec.gov> or by contacting Ladenburg Thalmann & Co. Inc., 58 South Service Road, Suite 160, Melville, NY, Attention: George Mangione, (631) 270-1611 or GMangione@ladenburg.com.

This press release shall not constitute an offer to sell or the solicitation of an offer to buy, nor shall there be any sale of, the shares in any state or other jurisdiction which such offer, solicitation or sale would be unlawful prior to the registration or qualification under the securities laws of any such state or other jurisdiction.

NAVIDEA BIOPHARMACEUTICALS
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About Navidea

Navidea Biopharmaceuticals, Inc. (NYSE MKT: NAVB) is a biopharmaceutical company focused on the development and commercialization of precision diagnostics and radiopharmaceutical agents. Navidea is actively developing four radiopharmaceutical agent platforms – Lymphoseek[®], NAV4694, NAV5001 and RIGScan[™] – to help identify the sites and pathways of undetected disease and enable better diagnostic accuracy, clinical decision-making and, ultimately, patient care. Navidea’s strategy is to deliver superior growth and shareholder return by bringing to market novel radiopharmaceutical agents and advancing the Company’s pipeline through selective acquisitions, global partnering and commercialization efforts. For more information, please visit www.navidea.com.

The Private Securities Litigation Reform Act of 1995 (the Act) provides a safe harbor for forward-looking statements made by or on behalf of the Company. Statements in this news release, which relate to other than strictly historical facts, such as statements about the Company’s plans and strategies, expectations for future financial performance, new and existing products and technologies, anticipated clinical and regulatory pathways, the ability to obtain, and timing of, regulatory approvals of the Company’s products, the timing and anticipated results of commercialization efforts, and anticipated markets for the Company’s products, are forward-looking statements within the meaning of the Act. The words “believe,” “expect,” “anticipate,” “estimate,” “project,” and similar expressions identify forward-looking statements that speak only as of the date hereof. Investors are cautioned that such statements involve risks and uncertainties that could cause actual results to differ materially from historical or anticipated results due to many factors including, but not limited to, the Company’s continuing operating losses, timing, cost and uncertainty of regulatory approvals for its drug candidates, and market acceptance of its products, reliance on third party manufacturers, accumulated deficit, future capital needs, uncertainty of capital funding, dependence on limited product line and distribution channels, competition, limited marketing and manufacturing experience, risks of development of new products, and other risks detailed in the Company’s most recent Annual Report on Form 10-K and other Securities and Exchange Commission filings. The Company undertakes no obligation to publicly update or revise any forward-looking statements.

Contact:

Navidea Biopharmaceuticals, Inc. – Brent Larson, Sr. VP & CFO – (614) 822-2330

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