UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

SCHEDULE 14A

(RULE 14a-101)

INFORMATION REQUIRED IN PROXY STATEMENT
SCHEDULE 14A INFORMATION

Proxy Statement Pursuant to Section 14(a) of the
Securities Exchange Act of 1934 (Amendment No. __)

Filed by the Registrant ☑ Filed by a Party other than the Registrant ☐

Check the appropriate box:

☐ Preliminary Proxy Statement

☐ **Confidential, For Use of the Commission Only (as permitted by Rule 14a-6(e)(2))**

☐ Definitive Proxy Statement

☑ Definitive Additional Materials

☐ Soliciting Material Pursuant to § 240.14a-12

Nabi Biopharmaceuticals

(Name of Registrant as Specified in its Charter)

N/A

(Name of Person(s) Filing Proxy Statement, if Other Than the Registrant)

Payment of Filing Fee (Check the appropriate box):

☑ No fee required.

☐ Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.

(1) Title of each class of securities to which transaction applies:

(2) Aggregate number of securities to which transaction applies:

(3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined):

(4) Proposed maximum aggregate value of transaction:

(5) Total fee paid:

☐ Fee paid previously with preliminary materials.

☐ Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

(1) Amount Previously Paid:

(2) Form, Schedule or Registration Statement No.:

(3) Filing Party:

(4) Date Filed:

Nabi Biopharmaceuticals issued the following press release on October 17, 2012.

Investor Relations
301-770-3099 | www.nabi.com

Nabi Biopharmaceuticals Announces Results of NicVAX®Phase II Study in Combination with Varenicline

Study Failed to Meet Primary Endpoint

Rockville, Maryland, October 17, 2012—Nabi Biopharmaceuticals (NASDAQ: NABI) today announced that the phase II study of NicVAX® (Nicotine Conjugate Immunotherapeutic) in combination with varenicline (Chantix or Champix) did not meet its primary endpoint.

A preliminary assessment of the trial data showed that subjects treated with NicVAX in combination with varenicline quit smoking at a similar rate to those treated with placebo in combination with varenicline which was also similar to reported data for varenicline monotherapy. As in previous trials, NicVAX was well-tolerated with a clinically acceptable safety and tolerability profile.

The study which included 558 subjects in the Netherlands was a double-blinded, placebo-controlled trial with one arm treated with NicVAX plus varenicline and the other arm treated with placebo plus varenicline. The primary endpoint of the study was the abstinence rate at 12 months as measured from week 9 through week 52. Abstinence was evaluated by self-reported cigarette consumption and biologically verified by exhaled carbon dioxide. Secondary endpoints included the abstinence rate at various time intervals, relapse rates, safety and immunogenicity, and the effect of NicVAX on withdrawal symptoms, cigarette consumption, and nicotine dependency.

“We are disappointed but not totally surprised with the results of trial, given the failure of NicVAX to achieve the primary end points in the two phase III studies, announced last year” said Dr. Raafat Fahim, President and Chief Executive of Nabi Biopharmaceuticals. Analysis of this initial data will continue by the Dutch investigators.

Nabi’s board of directors has determined that, in light of this development, Nabi will not issue contingent value rights intended for distribution to Nabi shareholders related to NicVAX, which were described in greater detail in Nabi’s definitive proxy statement, dated August 7, 2012, as supplemented by the supplement dated September 25, 2012, previously filed with the U.S. Securities and Exchange Commission.

About the Phase II Combination Study

The trial was sponsored by the ZonMW (The Netherlands Organization for Health Research and Development) and the University of Maastricht with contribution from Nabi, including drug supply and was conducted in the Netherlands.

About Nabi Biopharmaceuticals

Nabi Biopharmaceuticals, headquartered in Rockville, Maryland, is a biopharmaceutical company that has focused on the development of vaccines addressing unmet medical needs, including nicotine addiction. Its sole product currently in development is NicVAX® (Nicotine Conjugate Vaccine), an innovative and proprietary investigational vaccine for the treatment of nicotine addiction and prevention of smoking relapse based on patented technology. For additional information about Nabi Biopharmaceuticals, please visit www.nabi.com.

Important Additional Information

In connection with the business combination transaction between Biota and Nabi, Nabi has filed a definitive proxy statement, dated August 7, 2012, and a supplement dated September 25, 2012, with the SEC in connection with a special meeting of stockholders of Nabi to be reconvened on October 22, 2012. STOCKHOLDERS AND INVESTORS ARE URGED TO READ NABI'S DEFINITIVE PROXY MATERIALS, THE SUPPLEMENT AND ANY OTHER RELEVANT SOLICITATION MATERIALS FILED BY NABI WITH THE SEC BECAUSE THEY CONTAIN IMPORTANT INFORMATION ABOUT THE TRANSACTION. Stockholders and investors may obtain a free copy of Nabi's definitive proxy statement, the supplement and other materials filed by Nabi with the SEC at the SEC's website at www.sec.gov, at Nabi's website at www.nabi.com, or by contacting Morrow & Co., LLC, Nabi's proxy solicitation agent, at (203) 658-9400 or toll-free at (800) 607-0088.

Forward-Looking Statements

Statements in this release that are not strictly historical are forward-looking statements and include statements about products in development, results and analyses of clinical trials and studies, research and development expenses, cash expenditures, licensure applications and approvals, and alliances and partnerships, among other matters. You can identify these forward-looking statements because they involve our expectations, intentions, beliefs, plans, projections, anticipations, or other characterizations of future events or circumstances. These forward-looking statements are not guarantees of future performance and are subject to risks and uncertainties that may cause actual results to differ materially from those in the forward-looking statements as a result of any number of factors. These factors include, but are not limited to, risks that are more fully discussed in Nabi's definitive proxy statement for the Nabi Special Meeting filed with the SEC on August 7, 2012, as supplemented by the supplement dated September 25, 2012, under the captions "Risk Factors" and "Cautionary Statement Regarding Forward-Looking Statement" and elsewhere in the proxy statement and the supplement. We do not undertake to update any of these forward-looking statements or to announce the results of any revisions to these forward-looking statements except as required by law.