

AtheroNova Inc.  
Form 8-K  
September 11, 2012

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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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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)

September 11, 2012

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ATHERONOVA INC.  
(Exact name of registrant as specified in charter)

Delaware  
(State or other Jurisdiction of Incorporation or Organization)

000-52315  
(Commission File  
Number)

20-1915083  
(IRS Employer Identification  
No.)

2301 Dupont Drive, Suite 525  
Irvine, CA 92612  
(Address of Principal Executive  
Offices and zip code)

(949) 476-1100  
(Registrant's telephone  
number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12(b) under the Exchange Act (17 CFR 240.14a-12(b))
- 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 7.01. Regulation FD Disclosure.

On September 11, 2012, Mark Selawski, the Registrant's Chief Financial Officer, will participate in the Rodman and Renshaw 14th Annual Healthcare and Global Investment Conference to be held in New York City from September 9-11, 2012 at the Waldorf-Astoria. A copy of Mr. Selawski's presentation is being furnished as Exhibit 99.1 to this report and is incorporated herein by reference.

Item 9.01. Financial Statements and Exhibits

(d) Exhibits.

The following exhibits are filed herewith:

Exhibit Number	Description
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99.1	AtheroNova Inc. Investor Presentation.*
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\* Furnished, not filed.

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.

AtheroNova Inc.

Date: September 11, 2012

By: /s/ Mark Selawski  
Mark Selawski  
Chief Financial Officer & Secretary