AtheroNova Inc. Form SC 13G/A January 12, 2015

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

## SCHEDULE 13G/A

Under the Securities Exchange Act of 1934

(Amendment No. 1)\*

AtheroNova, Inc. (Name of Issuer)

Common Stock, \$0.0001 par value (Title of Class of Securities)

047438304 (CUSIP Number)

December 31, 2014 (Date of event which requires filing of this statement)

Check the appropriate box to designate the rule pursuant to which this Schedule 13G is filed:

" Rule 13d-1(b)	
x Rule 13d-1(c)	
" Rule 13d-1(d)	
(Page 1 of 6	
Pages)	

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

<sup>\*</sup>The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

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	NAMI	ES OF	
	REPO	PORTING	
_	PERSO	ONS	
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PERSON WITH		VOTING	
		POWER	
		463,790 shares	
		of Common	
	6	Stock	
	U		
		833,250 shares	
		of Common	
		Stock issuable	
		upon exercise	
		of Warrants	
		(See Item 4)*	
		SOLE	
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	7	POWER	
	8	SHARED	
		DISPOSITIVE	
		POWER	

463,790 shares of Common Stock

833,250 shares of Common Stock issuable upon exercise of Warrants (See Item 4)\* AGGREGATE

AMOUNT
BENEFICIALLY
OWNED BY EACH
REPORTING
PERSON

9 463,790 shares of Common Stock

> 833,250 shares of Common Stock issuable upon exercise of Warrants (See Item

4)\*

CHECK BOX IF THE

AGGREGATE

AMOUNT IN .. ROW (9)

10

11

EXCLUDES CERTAIN SHARES PERCENT OF CLASS

REPRESENTED BY AMOUNT IN ROW

(9)

5.26 % (See Item 4)\*

TYPE OF REPORTING

12 PERSON

PN

<sup>\*</sup> As more fully described in Item 4, these reported securities are subject to a 4.99% blocker and the percentage set forth in row (11) gives effect to such blocker. However, as more fully described in Item 4, the securities reported in rows (6), (8) and (9) show the number of shares of Common Stock that would be issuable upon full exercise of such

reported securities and do not give effect to such blocker. Therefore, the actual number of shares of Common Stock beneficially owned by such Reporting Person, after giving effect to such blocker, is less than the number of securities reported in rows (6), (8) and (9).

## CUSIP No. 047438304 13G/A Page 3 of 6

	NAMI	ES OF	
	NAMES OF REPORTING		
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		POWER	
		463,790 shares	
		of Common	
	_	Stock	
	6		
		833,250 shares	
		of Common	
		Stock issuable	
		upon exercise	
		of Warrants	
		(See Item 4)*	
		SOLE	
		DISPOSITIVE	
	7	POWER	
	8	SHARED	
		DISPOSITIVE	
		POWER	
		463,790 shares	
		of Common	

Stock

833,250 shares of Common Stock issuable upon exercise of Warrants (See Item 4)\*

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9 463,790 shares of Common Stock

> 833,250 shares of Common Stock issuable upon exercise of Warrants (See Item 4)\*

CHECK BOX

IF THE

AGGREGATE

AMOUNT IN ...
ROW (9)
EXCLUDES

CERTAIN SHARES PERCENT OF

CLASS REPRESENTED BY

11 AMOUNT IN ROW

(9)

5.26% (See Item 4)\*

TYPE OF REPORTING PERSON

IN

12

<sup>\*</sup> As more fully described in Item 4, these reported securities are subject to a 4.99% blocker and the percentage set forth in row (11) gives effect to such blocker. However, as more fully described in Item 4, the securities reported in rows (6), (8) and (9) show the number of shares of Common Stock that would be issuable upon full exercise of such reported securities and do not give effect to such blocker. Therefore, the actual number of shares of Common Stock beneficially owned by such Reporting Person, after giving effect to such blocker, is less than the number of securities

reported in rows (6), (8) and (9).

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	NAMI	ES OF	
	NAMES OF REPORTING		
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NUMBER OF		SOLE	
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OWNED BY			
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		463,790 shares	
		of Common	
	6	Stock	
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		833,250 shares	
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		Stock issuable	
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		(See Item 4)*	
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		463,790 shares	
		of Common	

Stock

833,250 shares of Common Stock issuable upon exercise of Warrants (See Item 4)\*

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING

9 463,790 shares of Common Stock

**PERSON** 

833,250 shares of Common Stock issuable upon exercise of Warrants (See Item

4)\*

CHECK BOX

IF THE

AGGREGATE AMOUNT IN

AMOUNT IN ...
ROW (9)
EXCLUDES

CERTAIN SHARES PERCENT OF CLASS

REPRESENTED BY

11 AMOUNT IN ROW

(9)

5.26% (See Item 4)\*

TYPE OF REPORTING PERSON

IN

12

<sup>\*</sup> As more fully described in Item 4, these reported securities are subject to a 4.99% blocker and the percentage set forth in row (11) gives effect to such blocker. However, as more fully described in Item 4, the securities reported in rows (6), (8) and (9) show the number of shares of Common Stock that would be issuable upon full exercise of such reported securities and do not give effect to such blocker. Therefore, the actual number of shares of Common Stock beneficially owned by such Reporting Person, after giving effect to such blocker, is less than the number of securities

reported in rows (6), (8) and (9).

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This Amendment No. 1 (this "Amendment") amends the statement on Schedule 13G filed on December 23, 2014 (the "Original Schedule 13G" and the Original Schedule 13G as amended, the "Schedule 13G"), with respect to shares of Common Stock, par value \$0.0001 (the "Common Stock"), of AtheroNova, Inc. (the "Company"). Capitalized terms used herein and not otherwise defined in this Amendment have the meanings set forth in the Schedule 13G. This Amendment amends and restates Item 4 in its entirety as set forth below.

#### Item 4. OWNERSHIP.

The information as of the date of the event which requires filing of this statement required by Items 4(a) - (c) is set forth in Rows 5 - 11 of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person. The percentage set forth in Row 11 of the cover page for each Reporting Person is based on 8,809,139 shares of Common Stock issued and outstanding as of November 10, 2014, as represented in the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2014 filed with the Securities and Exchange Commission on November 19, 2014.

Pursuant to the terms of the reported warrants (the "Reported Warrants"), the Reporting Persons cannot exercise any of the Reported Warrants if the Reporting Persons would beneficially own, after any such exercise, more than 4.99% of the outstanding shares of Common Stock (the "Blocker"), and the percentage set forth in Row 11 of the cover page for each Reporting Person gives effect to the Blocker. Consequently, as of the date of the event which requires the filing of this statement, the Reporting Persons were not able to exercise any of the Reported Warrants due to the Blocker.

The Investment Manager, which serves as the investment manager to the Empery Funds, may be deemed to be the beneficial owner of all shares of Common Stock held by, and underlying the Reported Warrants (subject to the Blocker) held by, the Empery Funds. Each of the Reporting Individuals, as Managing Members of the General Partner of the Investment Manager with the power to exercise investment discretion, may be deemed to be the beneficial owner of all shares of Common Stock held by, and underlying the Reported Warrants (subject to the Blocker) held by, the Empery Funds. The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of shares of Common Stock owned by another Reporting Person. Each of the Reporting Individuals hereby disclaims any beneficial ownership of any such shares of Common Stock.

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### **SIGNATURES**

After reasonable inquiry and to the best of our knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

DATED: January 12, 2015

EMPERY ASSET MANAGEMENT, LP

By: EMPERY AM GP, LLC, its General Partner

By: \_/s/ Ryan M. Lane
Name: Ryan M. Lane
Title: Managing Member

\_/s/ Ryan M. Lane
Ryan M. Lane
Ryan M. Lane

/s/ Martin D. Hoe
Martin D. Hoe