## UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

# **SCHEDULE 13G**

### UNDER THE SECURITIES EXCHANGE ACT OF 1934

		MediciNova, Inc.			
		Name of Issuer			
Common Stock, par value \$0.001					
	(Ti	tle of Class of Securities)			
		58468P206			
		(CUSIP Number)			
		December 18, 2009			
(Date	e of Event W	Thich Requires Filing of this Statement)			
Check the appropriate box to des	ignate the ru	lle pursuant to which this Schedule is filed:			
		[ _ ] Rule 13d-1(b)			
		[ X ] Rule 13d-1(c)			
		[ _ ] Rule 13d-1(d)			
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.					
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 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).					
1 NAMES OF REPO	RTING PEI	RSONS:			
Southpaw Asset M	Southpaw Asset Management LP				
2 CHECK THE APP	ROPRIATE	BOX IF A MEMBER OF A GROUP	(a) (b)	[_] [_]	
3 SEC USE ONLY					
4 CITIZENSHIP OR PLACE OF ORGANIZATION:					
Delaware					
NUMBER OF SHARES	5	SOLE VOTING POWER		0	
BENEFICIALLY	6	SHARED VOTING POWER		934,525	
OWNED BY EACH	7	SOLE DISPOSITIVE POWER		0	
REPORTING PERSON WITH	8	SHARED DISPOSITIVE POWER		934,525	

9

10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES [] CERTAIN SHARES:					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	7.2%					
-						
12	TYPE OF REPOR	RTING PERSON:				
	PN					
1	NAMES OF REP	ORTING PERSONS:				
	Southpaw Holdin	gs LLC				
2	CHECK THE AP		(a) [] (b) []			
3	SEC USE ONLY		(0) [_]			
	SEC USE OIVET					
4	CITIZENSHIP O	R PLACE OF ORGANIZATION:				
	Delaware					
		5 COLE VOTING POWER				
9	MBER OF HARES	5 SOLE VOTING POWER	0			
	EFICIALLY VNED BY	6 SHARED VOTING POWER	934,525			
	EACH PORTING	7 SOLE DISPOSITIVE POWER	0			
PER	SON WITH	8 SHARED DISPOSITIVE POWER	934,525			
9	AGGREGATE AI PERSON:	MOUNT BENEFICALLY OWNED BY EACH REPORTING	Ĵ			
	934,525					
10	CHECK IF THE A	AGGREGATE AMOUNT IN ROW (9) EXCLUDES ES:	[_]			
11	PERCENT OF CI	LASS REPRESENTED BY AMOUNT IN ROW (9)				
	7.2%					
12	TYPE OF REPOR	RTING PERSON:				
	00					
1	NAMES OF REP	ORTING PERSONS:				
	Southpaw Credit	Opportunity Master Fund LP				

2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b)				[_] [_]	
3	SEC USE ONL	Y				
4	CITIZENSHIP OR PLACE OF ORGANIZATION:					
	Cayman Islands	i				
	MBER OF	5	SOLE VOTING POWER		0	
BEN	SHARES EFICIALLY	6	SHARED VOTING POWER		853,272	
	VNED BY EACH PORTING	7	SOLE DISPOSITIVE POWER		0	
	SON WITH	8	SHARED DISPOSITIVE POWER		853,272	
9	AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON:					
	853,27	72				
10	CHECK IF THI CERTAIN SHA		GATE AMOUNT IN ROW (9) EXCLUDES		[_]	
11	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	6.6%					
12	TYPE OF REPO	ORTING P	ERSON:			
	PN					
1	NAMES OF REPORTING PERSONS:					
	Kevin Wyman					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [_] (b) [_]					
3	SEC USE ONLY					
4	CITIZENSHIP	OR PLACI	E OF ORGANIZATION:			
	United States					
	MBER OF	5	SOLE VOTING POWER		0	
BEN	SHARES EFICIALLY VNED BY	6	SHARED VOTING POWER		934,525	
	EACH PORTING	7	SOLE DISPOSITIVE POWER		0	
	SON WITH	8	SHARED DISPOSITIVE POWER		934,525	
•						

<sup>9</sup> AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON:

10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	7.2%				
12	TYPE OF REPORTING PERSON:				
	IN				
1	NAMES OF REP	ORTING PE	ERSONS:		
	Howard Golden				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a) [_]  (b) [_]				
3	SEC USE ONLY				
4	CITIZENSHIP O	R PLACE O	F ORGANIZATION:		
	United States				
	MBER OF HARES	5	SOLE VOTING POWER		0
BENI	EFICIALLY NED BY	6	SHARED VOTING POWER		934,525
	EACH	7	SOLE DISPOSITIVE POWER		0
	PORTING SON WITH	8	SHARED DISPOSITIVE POWER		934,525
9 AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON:					
	934,525				
10	10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES [] CERTAIN SHARES:				
11	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	7.2%				
12	TYPE OF REPOR	RTING PERS	SON:		
	IN				
ITEM 1(a)	NAME OF	ISSUER:			
	MediciNova, Inc. (the " <u>Issuer</u> ")				
ITEM 1(b)	) ADDRESS OF ISSUER'S PRINICIPAL EXECUTIVE OFFICES:				
	4350 La Jolla Village Drive, Suite 950 San Diego, California 92122				

#### ITEM 2(a) NAME OF PERSON FILING:

This statement is filed on behalf of the following persons (collectively, the "<u>Reporting Persons</u>"):

- (i) Southpaw Asset Management LP ("Southpaw Management")
- (ii) Southpaw Credit Opportunity Master Fund LP
- (iii) Southpaw Holdings LLC ("Southpaw Holdings")
- (iv) Kevin Wyman
- (v) Howard Golden

This statement relates to securities held for the account of (i) Southpaw Credit Opportunity Master Fund LP, a Cayman Islands limited partnership (the "Fund"), which owns \$5,802,253.48 in principal amount of the Floating Rate Secured Convertible Notes due 2011 of the Issuer ("Convertible Notes"), (ii) a separate managed account managed by Southpaw Management (the "Managed Account 1"), which owns \$408,007.81 in principal amount of Convertible Notes, and (iii) another separate managed account managed by Southpaw Management (the "Managed Account 2"; and together with the Managed Account 1, the "Managed Accounts"), which owns \$144,511.45 in principal amount of Convertible Notes. Southpaw Management is the investment manager of the Fund and the Managed Accounts, and, in such capacities, may be deemed to beneficially own the Convertible Notes reported herein which are deemed beneficially owned by the Fund and the Managed Accounts. Southpaw Holdings serves as the general partner of Southpaw Management, and, in such capacity, may be deemed to beneficially own the Convertible Notes reported herein which may be deemed beneficially owned by Southpaw Management. Mr. Wyman and Mr. Golden are principals of Southpaw Holdings and managers of Southpaw Management, and, in such capacities, may be deemed to beneficially own the Convertible Notes reported herein which may be deemed beneficially owned by Southpaw Management.

#### ITEM 2(b) ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

Four Greenwich Office Park Greenwich, CT 06831

# ITEM 2(c) CITIZENSHIP:

- (i) Southpaw Asset Management LP is a limited partnership organized under the laws of Delaware.
- (ii) Southpaw Credit Opportunity Master Fund LP is a limited partnership organized under the laws of the Cayman Islands.
- (iii) Southpaw Holdings LLC is a limited liability company organized under the laws of Delaware.
- (iv) Kevin Wyman is an individual having citizenship in the United States.
- $\label{eq:continuous} \mbox{(v) Howard Golden is an individual having citizenship in the United States.}$

# ITEM 2(d) TITLE OF CLASS OF SECURITIES: Common Stock

### ITEM 2(e) CUSIP NUMBER: 58468P206

IF THIS STATEMENT IS FILED PURSUANT TO §§ 240.13d-1(b) OR 240.13d-2(b) OR (c), CHECK WHETHER THE FILING PERSON IS:

Not applicable.

#### ITEM 4 OWNERSHIP:

The Fund owns \$5,802,253.48 in principal amount of the Convertible Notes. Managed Account 1 owns \$408,007.81 in principal amount of Convertible Notes. Managed Account 2 owns \$144,511.45 in principal amount of Convertible Notes. Southpaw Management is the investment manager of the Fund and the Managed Accounts, and, in such capacities, may be deemed to beneficially own the Convertible Notes reported herein which are deemed beneficially owned by the Fund and the Managed Accounts. Southpaw Holdings serves as the general partner of Southpaw Management, and, in such capacity, may be

deemed to beneficially own the Convertible Notes reported herein which may be deemed beneficially owned by Southpaw Management. Mr. Wyman and Mr. Golden are principals of Southpaw Holdings and managers of Southpaw Management, and, in such capacities, may be deemed to beneficially own the Convertible Notes reported herein which may be deemed beneficially owned by Southpaw Management.

Note that references to principal amounts of the Convertible Notes and percentage ownerships of common stock in this Schedule 13G are based upon (i) the number of shares of common stock of Avigen, Inc. ("Avigen") beneficially owned by the Reporting Persons immediately prior to Avigen's merger with a subsidiary of the Issuer, (ii) the principal amount of Convertible Notes to be received by the Reporting Persons for each share of Avigen common stock held by the Reporting Persons (i.e., \$35,461,000 divided by 29,852,115), as reported in the Issuer's current report on Form 8-K filed on December 22, 2009 (the "December 22 Form 8-K"), (iii) the 12,103,969 shares of common stock outstanding as reported in the Issuer's quarterly report on Form 10-Q for the quarter ended September 30, 2009 filed on November 12, 2009, and (iv) the conversion rate of 1 share of common stock per \$6.80 principal amount of Convertible Notes as reported in the December 22 Form 8-K.

- (i) For Southpaw Asset Management LP:
  - (a) Amount beneficially owned: 934,525
  - (b) Percent of class: 7.2%
  - (c) Number of shares as to which the person has:
    - (i) Sole power to vote or direct the vote: 0
    - (ii) Shared power to vote or direct the vote: 934,525
    - (iii) Sole power to dispose or direct the disposition of: 0
    - (iv) Shared power to dispose or direct the disposition of: 934,525
- (ii) For Southpaw Holdings LLC:
  - (a) Amount beneficially owned: 934,525
  - (b) Percent of class: 7.2%
  - (c) Number of shares as to which the person has:
    - (i) Sole power to vote or direct the vote: 0
    - (ii) Shared power to vote or direct the vote: 934,525
    - (iii) Sole power to dispose or direct the disposition of: 0
    - (iv) Shared power to dispose or direct the disposition of: 934,525
- (iii) For Southpaw Credit Opportunity Master Fund LP:
  - (a) Amount beneficially owned: 853,272
  - (b) Percent of class: 6.6%
  - (c) Number of shares as to which the person has:
    - (i) Sole power to vote or direct the vote: 0
    - (ii) Shared power to vote or direct the vote: 853,272
    - (iii) Sole power to dispose or direct the disposition of: 0
    - (iv) Shared power to dispose or direct the disposition of: 853,272
- (iv) For Kevin Wyman:
  - (a) Amount beneficially owned: 934,525

- (b) Percent of class: 7.2%
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or direct the vote: 0
  - (ii) Shared power to vote or direct the vote: 934,525
  - (iii) Sole power to dispose or direct the disposition of: 0
  - (iv) Shared power to dispose or direct the disposition of: 934,525
- (v) For Howard Golden:
  - (a) Amount beneficially owned: 934,525
  - (b) Percent of class: 7.2%
  - (c) Number of shares as to which the person has:
    - (i) Sole power to vote or direct the vote: 0
    - (ii) Shared power to vote or direct the vote: 934,525
    - (iii) Sole power to dispose or direct the disposition of: 0
    - (iv) Shared power to dispose or direct the disposition of: 934,525
- ITEM 5 OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

Not Applicable.

ITEM 6 OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER

PERSON.

Not Applicable.

ITEM 7 IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH

ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING

COMPANY OR CONTROL PERSON.

Not Applicable.

ITEM 8 IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

Not Applicable.

ITEM 9 NOTICE OF DISSOLUTION OF GROUP.

Not Applicable.

ITEM 10 CERTIFICATIONS.

By signing below each of the Reporting Persons certifies that, to the best of such person's knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

## **SIGNATURE**

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

Southpaw Credit Opportunity Master Fund LP

By: Southpaw GP LLC, its general partner

By: /s/ Kevin Wyman

Name: Kevin Wyman Title: Managing Member

Southpaw Asset Management LP

By: Southpaw Holdings LLC, its general partner

By: /s/ Kevin Wyman

Name: Kevin Wyman Title: Managing Member

Southpaw Holdings, LLC

By: /s/ Kevin Wyman

Name: Kevin Wyman Title: Managing Member

/s/ Kevin Wyman

Kevin Wyman

/s/ Howard Golden

Howard Golden

# EXHIBIT INDEX

# Exhibit Number Exhibit

1. Joint Filing Agreement, dated December 24, 2009, by and among the Reporting Persons.

### **EXHIBIT 1 - JOINT FILING AGREEMENT**

The undersigned hereby agree that the Schedule 13G with respect to the shares of common stock of MediciNova, Inc., dated as of December 24, 2009, is, and any amendments thereto (including amendments on Schedule 13D) signed by each of the undersigned shall be, filed on behalf of each of the undersigned pursuant to and in accordance with the provisions of Rule 13d-1(k) under the Securities Exchange Act of 1934.

Date: December 24, 2009

Southpaw Credit Opportunity Master Fund LP

By: Southpaw GP LLC, its general partner

By: /s/ Kevin Wyman

Name: Kevin Wyman Title: Managing Member

Southpaw Asset Management LP

By: Southpaw Holdings LLC, its general partner

By: /s/ Kevin Wyman

Name: Kevin Wyman Title: Managing Member

Southpaw Holdings, LLC

By: /s/ Kevin Wyman

Name: Kevin Wyman Title: Managing Member

/s/ Kevin Wyman

Kevin Wyman

/s/ Howard Golden

Howard Golden