

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 12, 2009

**MEDICINOVA, INC.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction  
of incorporation)

**001-33185**  
(Commission  
File Number)

**33-0927979**  
(IRS Employer  
Identification No.)

**4350 La Jolla Village Drive, Suite 950**  
**San Diego, CA 92122**  
(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: (858) 373-1500

**Not Applicable**

(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:

- 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))
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**Item 7.01 Regulation FD Disclosure.**

Representatives of MediciNova, Inc. (the "Registrant") will be attending the 27<sup>th</sup> Annual JPMorgan Healthcare Conference commencing January 12, 2009. A copy of the slide presentation to be used by the Registrant at investor meetings during this conference is attached hereto as Exhibit 99.1 to this Current Report.

The information in this Current Report, including Exhibit 99.1 furnished herewith, is being furnished and shall not be deemed "filed" for any purpose, including for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that Section. The information in this Current Report shall not be deemed incorporated by reference into any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such filing to this Current Report.

**Item 9.01 Financial Statements and Exhibits.**

**(d) Exhibits.**

<u>Exhibit</u>	<u>Description</u>
99.1	Slide presentation of the Registrant

**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.

MEDICINOVA, INC.

Dated: January 12, 2009

By: /s/ Shintaro Asako  
Shintaro Asako  
Vice President and Chief Financial Officer

EXHIBIT INDEX

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<u>Exhibit</u>	<u>Description</u>
99.1	Slide presentation of the Registrant



*Accelerating  
the global development  
and commercialization of  
innovative pharmaceuticals*



# Forward-Looking Statements

*Statements in this presentation that are not historical in nature constitute forward-looking statements within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements include, without limitation, statements regarding MediciNova's clinical trials supporting safety and efficacy of product candidates and the potential novelty of such product candidates as treatments for disease, plans and objectives for clinical trials and product development, strategies, future performance, financial condition, liquidity and capital resources. These forward-looking statements may be preceded by, followed by or otherwise include the words "believes," "expects," "anticipates," "intends," "estimates," "projects," "can," "could," "may," "would," or similar expressions. Actual results or events may differ materially from those expressed or implied in any forward-looking statements due to various factors, including, without limitation, the risks and uncertainties inherent in clinical trials and product development and commercialization, such as the uncertainty in results of clinical trials for product candidates, the uncertainty of whether the results of clinical trials will be predictive of results in later stages of product development, the risk of delays or failure to obtain or maintain regulatory approval, the risk of failure of the third parties upon whom MediciNova relies to conduct its clinical trials and manufacture its product candidates to perform as expected, the risk of increased cost and delays due to delays in the commencement, enrollment, completion or analysis of clinical trials or significant issues regarding the adequacy of clinical trial designs or the execution of clinical trials and the timing, cost and design of future clinical trials and research activities; the timing of expected filings with the FDA; MediciNova's failure to execute strategic plans or strategies successfully; MediciNova's collaborations with third parties; the availability of funds to complete product development plans and MediciNova's ability to raise sufficient capital when needed; intellectual property or contract rights; and the other risks and uncertainties described in MediciNova's filings with the Securities and Exchange Commission, including MediciNova's annual report on Form 10-K for the year ended December 31, 2007 and its subsequent periodic reports on Forms 10-Q and 8-K. Undue reliance should not be placed on these forward-looking statements, which speak only as of the date hereof. MediciNova disclaims any intent or obligation to revise or update these forward-looking statements.*



# Corporate Overview: MediciNova, Inc.

## Development Company Focused on Differentiated Product Candidates

- Unique access to differentiated, potentially high value assets primarily from Japanese alliances

## New Approaches to Treat Serious Medical Conditions:

- MN-221: IV Acute Exacerbations of Asthma candidate
  - Potential \$500 M US opportunity for MediciNova
- MN-166: Oral Multiple Sclerosis candidate
  - In 2007, over \$8.2B in worldwide MS therapeutic sales\*



**MNOV Headquarters:  
San Diego, CA**

## Key Financials:

- Dual listed company on Nasdaq and Osaka Securities Exchange
- ~\$19M Market Cap as of 12/31/08
- ~\$47.5M Cash, Cash Equivalents and Marketable Securities as of 9/30/08

\*Source: MedAdNews, July 2008



# Business Model: Return On Investment

## In-License:

- Product candidates with significant clinical or preclinical data



## Conduct Proof-of-Concept Clinical Trials:

- Conduct Phase I and Phase II clinical trials to demonstrate efficacy of compound



## Two Pathways Towards ROI After Phase II:

1. Continue internal development of compound towards commercialization
2. Seek partnership for further development of compound



*MediciNova has focused its resources on its two prioritized product candidates, MN-221 and MN-166. Following completion of the Phase I trial of MN-166, MediciNova will not pursue further significant clinical development of MN-166 until a partnership is secured. In addition, MediciNova will pursue a variety of initiatives to monetize its remaining product candidates.*



MEDICINOVA





# Acute Exacerbations of Asthma

## Definition:

- Long-lasting and severe asthma episode that is not responsive to initial bronchodilator or corticosteroid therapy

## Market Opportunity:

- Approximately 2 million emergency room visits in the US each year\*
  - 500,000 hospitalizations in the US
- Approximately 4,000 deaths annually in the US\*
- Potential \$500 M market opportunity for MediciNova

## Current Standard of Care (SOC):

- Beta agonists (all patients) inhaled or nebulized
- Corticosteroids (66-77% of patients) oral

\*Source: National Center for Health Statistics / CDC



## MN-221: A New Approach to Treating Acute Exacerbations of Asthma

**MN-221:** A novel, highly selective  $\beta$ 2-adrenergic receptor agonist

**Three Potential Advantages** over current therapy

1. Better delivery system (IV) = Better Bioavailability
2. Greatest selectivity for  $\beta$ 2 receptor in the lungs (better binding)
3. Partial agonist for  $\beta$ 1 receptor in the heart

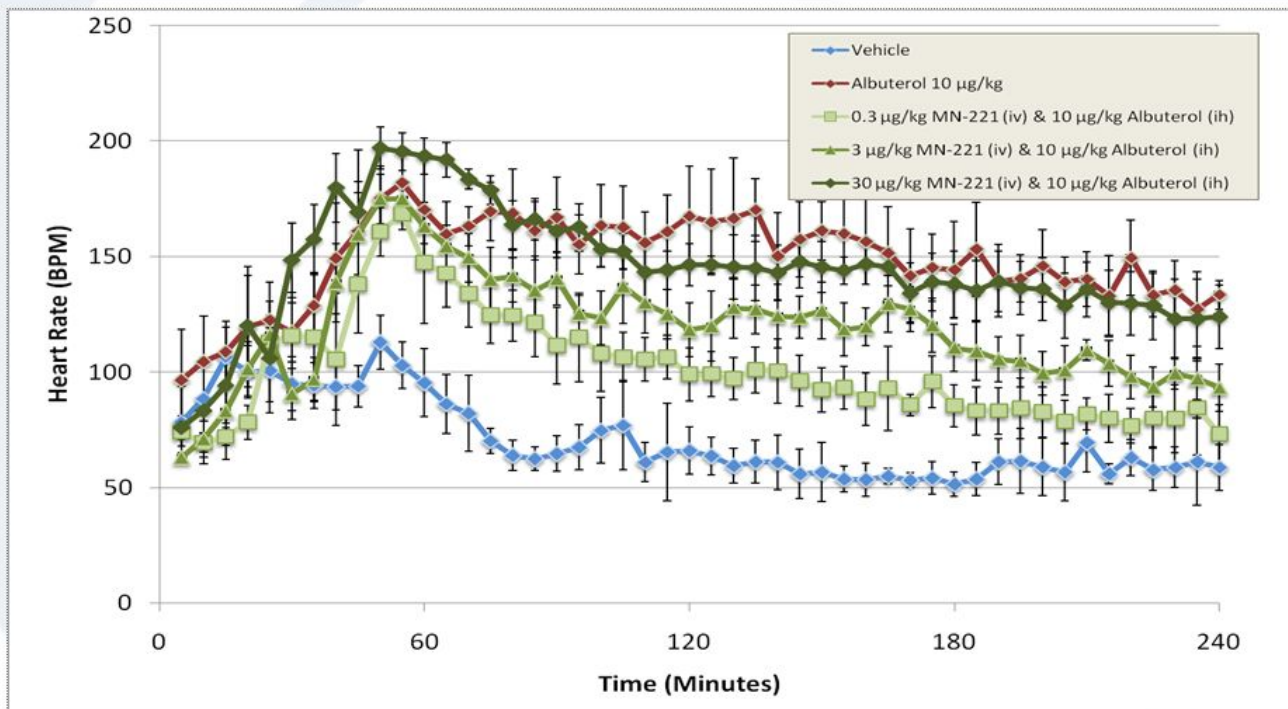


# Human $\beta$ -Adrenergic Receptor Selectivity

Test Drug	$\beta_1$ IC <sub>50</sub> (M)	$\beta_2$ IC <sub>50</sub> (M)	$\beta_2$ -Adrenoceptor Selectivity (IC <sub>50</sub> for $\beta_1$ / IC <sub>50</sub> for $\beta_2$ )
Levalbuterol	7.40E-06	1.40E-06	5.3
Albuterol	9.40E-06	1.60E-06	5.9
Terbutaline	6.00E-05	6.50E-06	9.2
<b>MN-221</b>	<b>5.90E-06</b>	<b>1.40E-07</b>	<b>42.4</b>



# Effect on Heart rate: Combination of MN-221 & Albuterol in Dogs





# MN-221: Positive Phase IIa Data

## MN-221-CL-004 Study Design

- Randomized, placebo-controlled, double-blind, dose escalation
- 23 subjects with mild-to-moderate stable asthma ( $FEV_1 \geq 60\%$  predicted)
- Doses tested (all for 15 minutes):
  - 0.35  $\mu\text{g}/\text{min}$
  - 1.0  $\mu\text{g}/\text{min}$
  - 3.5  $\mu\text{g}/\text{min}$
  - 10  $\mu\text{g}/\text{min}$
  - 16  $\mu\text{g}/\text{min}$
  - 30  $\mu\text{g}/\text{min}$
  - 60  $\mu\text{g}/\text{min}$

## MN-221-CL-005 Study Design

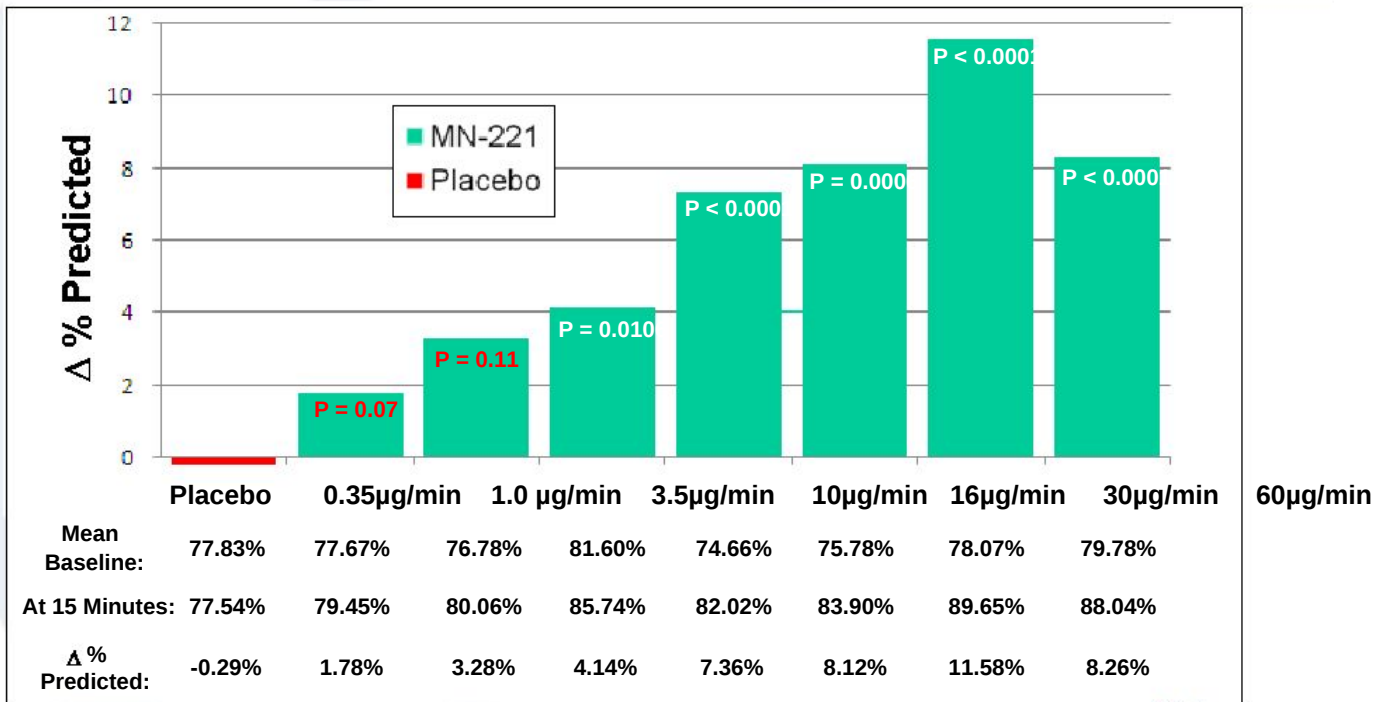
- Randomized, single-blind, placebo-controlled, dose rate escalation
- 17 subjects with moderate-to-severe stable asthma ( $40\% \leq FEV_1 < 75\%$  predicted)
- Two doses tested:
  - 16  $\mu\text{g}/\text{min}$  for 15 minutes followed by 8  $\mu\text{g}/\text{min}$  for 105 minutes (2-hour infusion with total dose of 1,080  $\mu\text{g}$ ) or placebo
  - 30  $\mu\text{g}/\text{min}$  for 15 minutes followed by 15  $\mu\text{g}/\text{min}$  for 45 minutes (1-hour infusion with a total dose of 1,125  $\mu\text{g}$ ) or placebo

## MN-221-CL-004 and MN-221-CL-005 Safety Data:

*No clinically significant cardiovascular, ECG or vital sign changes, or other safety concerns observed at any dose tested*

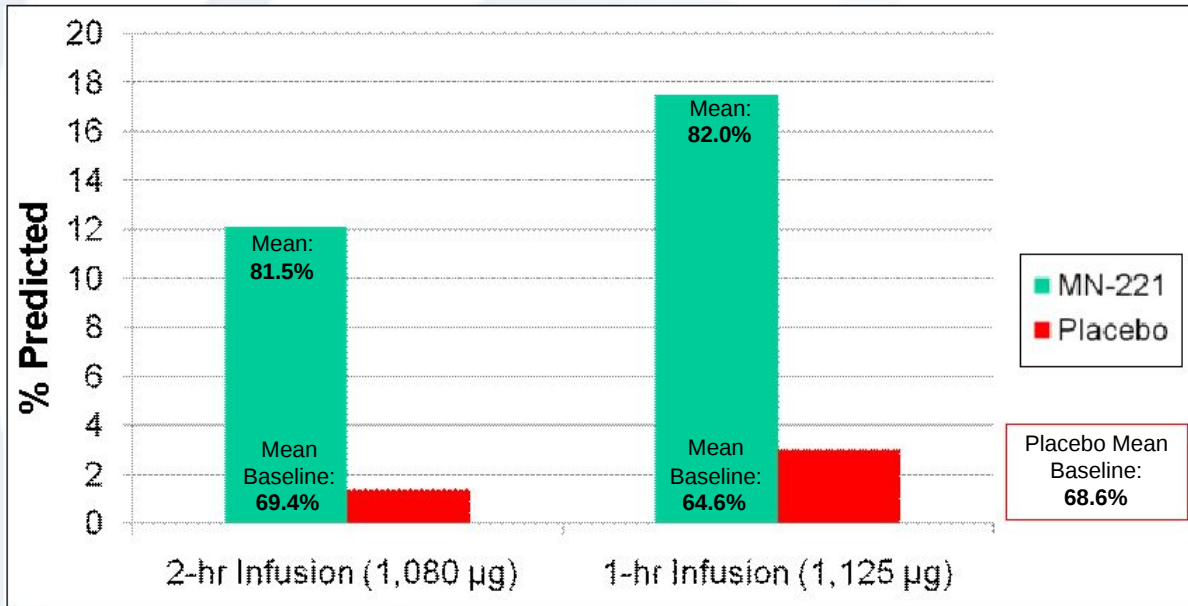


# Mean Change in FEV<sub>1</sub> Study: MN-221-CL-004



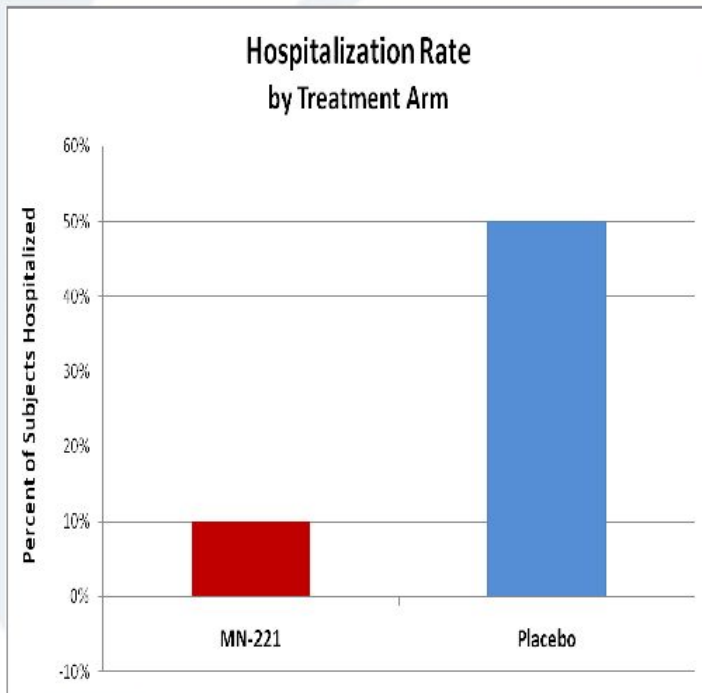


# Mean Change in FEV<sub>1</sub> Study: MN-221-CL-005





# Phase II Interim Data Study: MN-221-CL-006



- These reviews included data from a total of 18 of 36 planned patients with severe, acute exacerbations of asthma treated in emergency departments.
- Decrease in the hospitalization rate from 50% to 10% with the addition of MN-221 (in 10 subjects) to standardized care (in 8 subjects)
- Improvement in FEV<sub>1</sub> values generally appeared to be greater for patients receiving MN-221 in addition to standardized treatment
- No safety concerns with adding MN-221 to standardized care were identified in these reviews





# MN-221: Next Steps

## MN-221-CL-007:

A randomized, double-blind, placebo-controlled Phase II clinical trial designed to evaluate the safety and efficacy of MN-221 in patients with severe, acute exacerbations of asthma

- Approximately 35 clinical sites in North America, Australia and New Zealand
- Enroll approximately 200 patients
- Enrollment anticipated to begin in March 2009 for North America sites (enrollment expected to complete after nine to twelve months)
- Doses: 1.2mg of MN-221 over one hour + Standardized Care  
Placebo + Standardized Care
- Primary efficacy endpoint will be improvement in FEV<sub>1</sub> (in % predicted) at 5 hours



# MN-221 Development Plan

MN-221	2008		2009		2010	
	1H	2H	1H	2H	1H	2H
PIIa Prolonged Infusion						
PIIb Single-Blind						
PIIb Double-Blind**						

\*Anticipated commencement and completion dates based on current projections

If we are successful in completing the double-blind Phase II clinical trial, we plan to conduct a Phase II program. If we are successful in completing the Phase II program, we would then plan to file an NDA with the FDA to seek regulatory approval for MN-221.

Note: Development plans / timelines for MN-221 are subject to change





# Multiple Sclerosis

## Definition:

Multiple sclerosis (MS) is an inflammatory demyelinating disease of the central nervous system (CNS), affecting approximately 500,000 people in the United States and 2 million people worldwide.

**There is no cure for the disease.**

## Multiple Sclerosis Market:

Over \$8.2 B worldwide sales in 2007\*

## Current Standard of Care:

- Beta interferon (Rebif, Avonex, Betaserone), Copaxone®
- Administered either by intramuscular or subcutaneous injection or infusion

\*Source: MedAdNews, July 2008



# MN-166: A New Approach to Treating Multiple Sclerosis

## MN-166:

- Anti-inflammatory and neuroprotective properties *in vitro* and *in vivo*
- Demonstrated effects on brain volume and lesion evolution to axonal damage
- Targets primarily chronic aspects of multiple sclerosis
- Oral administration

## Mechanisms of Action:

- ✓ Stimulates Neurotrophin Growth Factor Release
- ✓ Inhibits nitric oxide and reactive oxygen species production
- ✓ Inhibits Th1 cytokine production (IFN $\gamma$ , TNF $\alpha$ , IL-1 $\beta$ , IL-6)
- ✓ Pilot studies found reduced relapse rate and Th1 cytokine shift
- ✓ Phosphodiesterase and Leukotriene inhibitor



# Current Clinical Studies: MN-166-CL-001

## Placebo-controlled, randomized, double-blind Phase II study:

- Year 1 0, 10 mg tid, 20 mg tid
- Year 2 10 mg tid, 20 mg tid
- n ~ 100 MS patients/group @ 25 sites in Serbia, Ukraine, Belarus, Bulgaria and Romania

## Key inclusion criteria:

- Males or females aged 18 to 55 years, with relapsing remitting (RR) and/or secondary progressive (SP) Multiple Sclerosis with continued relapses;
- A definite diagnosis of relapsing MS using the new ~~Inclusion criteria~~ recommendations (MacDonald Criteria);
- One MRI scan taken two weeks prior to treatment start using a standardized MRI protocol with at least one Gd-enhancing lesion;
- An EDSS score of 5.5 or less at the screening and baseline visits.



# MN-166 Targets Primarily Chronic Aspects of MS

## MN-166 Effects Outcomes Related to Disease Progression in RRMS Patients

### Clinical and MRI Outcomes:

#### Indicative of Potential Neuroprotection

- |   |                       |
|---|-----------------------|
| 1. Reduced Brain Volume Loss  | <i>P-Value: 0.030</i> |
| 2. Reduced Conversion of Acute Lesions to Persistent Black Holes        | <i>P-Value: 0.011</i> |
| 3. Sustained disability progression was significantly less likely (30%) | <i>P-Value: 0.026</i> |

#### Acute Clinical Benefit:

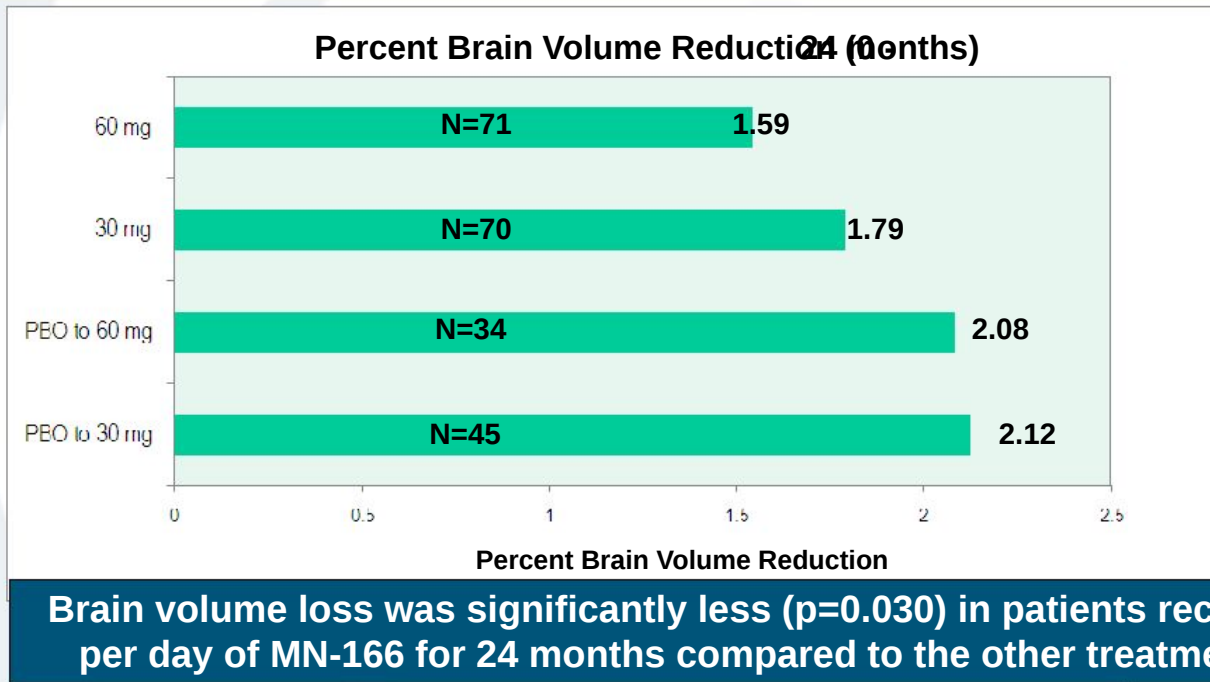
- Prolong time to relapse (by 127 days.) *P-Value: 0.044*

### MN-166 was very well tolerated in Phase II study:

- 89% (264 of 297) of subjects completed the first 12 months of the study
- 82.5% (245 of 297) of subjects completed the full 24 months of the study
- GI adverse effects as a group and depression were the only adverse events to occur more frequently in MN-166-treated than in placebo-treated subjects



# Chronic Efficacy Demonstrated: Effects on Brain Volume





# Reduction of Persistent Black Hole (PBH) Formation

Parameter	Treatment Groups		
	Placebo	30 mg/day	60 mg/day
Number Patients w. New Lesions at Month 2	72	64	56
Total Number New Lesions in all Patients	426	338	315
Total Number of Persistent Black Holes	98	58	47
Proportion of Lesions Evolving to PBH	0.23	0.17	0.14
p Value	-	<b>0.036</b>	<b>0.004</b>

- **New T1 gadolinium-enhancing or new T2 lesions were defined as NL in the first on-study MRI at month 2**
- **Lesions that were hypointense and inactive at month 10 were PBH**
- **Relative Risk (RR) of NL evolution to PBH was analyzed using a general linear model with the error term from the Poisson distribution**





# Sustained Disability Progression

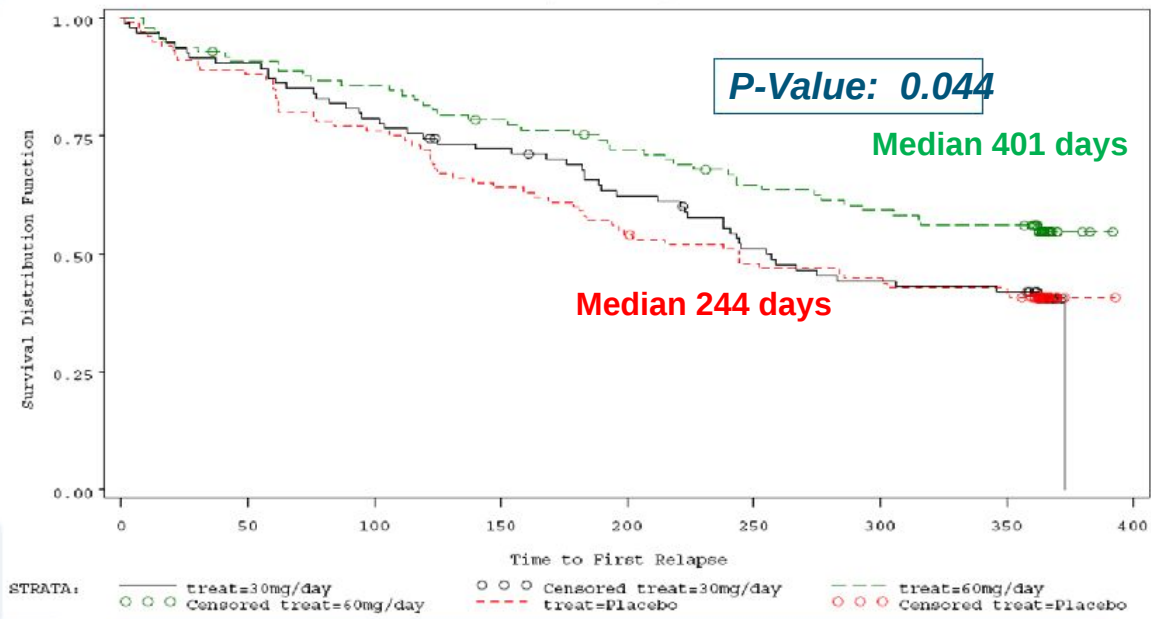
	TREATMENT	
Time Period	Placebo to Active (N=100)	Active Drug [30 mg (N=94), 60 mg (N=98)]
2 Years	21/100 (21%)	20/194 (10.4%) <b>P-Value: 0.026</b>

Disability Progression is defined as a sustained increase in EDSS (increase in EDSS maintained for four consecutive months)



# Acute Efficacy Demonstrated: Time to First Relapse

Figure 4-1 Plot of Time to First Relapse by Treatment (ITT)  
Core (1-12 Months)





# MN-166: NEXT STEPS

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## Seek Partnership for Further Development:

MediciNova's strategic objective for MN-166 is to secure a partner to advance the clinical development of MN-166, and MediciNova is pursuing that objective



# Commercially-Attractive Diversified Portfolio

<b>Core Candidates</b>	Preclinical	Phase I	Phase II	Phase III
<b>MN-166</b> (Multiple Sclerosis)	▶			
<b>MN-221</b> (Acute Exacerbations of Asthma)	▶			
<b>Non-Core Candidates</b>	Preclinical	Phase I	Phase II	Phase III
<b>MN-001 (Bronchial Asthma)</b>	▶			
<b>MN-305 (Anxiety Disorders)</b>	▶			
<b>MN-001 (Interstitial Cystitis)</b>	▶			
<b>MN-029 (Solid Tumors)</b>	▶			
<b>MN-221 (Preterm Labor)</b>	▶			
<b>MN-246 (Urinary Incontinence)</b>	▶			
<b>MN-447/462 (Thrombosis)</b>	▶			



# Key Financials

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## Dual Listing:

- MNOV (NasdaqGM), December 2006
- 4875 (OsakaHercules), February 2005

## Cash, Cash Equivalents and Marketable Securities as of 6/30/08 :

~\$47.5 M as of 9/30/08

## Market cap as of 12/31/08:

~\$19M

## Shares outstanding:

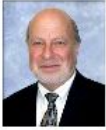
11.9 M



# Management Team with Global Experience



Leadership	Years Experience	Background
Yuichi Iwaki, MD, PhD CEO & President	33	Prof. USC, Formerly Prof. Pitt; Advisor to JAFCO, Tanabe
Richard Gammans, PhD, MBA Chief Development Officer	31	Incara, Indevus, BMS
Shintaro Asako, CPA Chief Financial Officer	10	KPMG USA (Audit), Arthur Andersen USA
Michael Kalafer, MD Chief Medical Officer	25	Board Certified in Pulmonary Medicine, Critical Care Medicine and Internal Medicine. Associate Clinical Professorship of Medicine at UCSD School of Medicine since 1985
Masatsune Okajima, CMA VP, Head of Japanese Office	17	Daiwa Securities SMBC, Sumitomo Capital Securities, Sumitomo Bank





# Investment Highlights

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## **MN-221 (Acute Exacerbations of Asthma):**

- Proven mechanism of action
  - Highly selective with improved safety profile vs. standard of care
- Positive Phase III efficacy data
- Phase III study initiated by holding an Investigator's meeting in January 2009

## **MN-166 (Multiple Sclerosis):**

- Both chronic and acute efficacy have been demonstrated in clinical studies completed to date
- MediciNova seeking a partner to advance the clinical development of MN-166

## **Minimized Burn Rate:**

- Annual burn rate reduced compared to previous years as a result of focus on MN-166 and MN-221 development programs
- ~\$47.5M Cash, Cash Equivalents and Marketable Securities as of 9/30/08



***Addendum:***  
***Additional Data***





# MN-221-Study 6 Design

- Randomized, modified single-blind, dose escalation, placebo-controlled Phase II Study in acute asthma patients in EDs
- Approx. 36 patients in 3 dose cohorts at 8 ED clinical sites
- Doses:
  - 16 $\mu$ g/min x15 (240 $\mu$ g)
  - 30 $\mu$ g/min x15 (450 $\mu$ g)
  - 16 $\mu$ g/min x15;8 $\mu$ g/min x105 (1,080 $\mu$ g)
- Patients will receive Standard of Care (SOC) treatment in addition to adjunctive treatment with MN-221 or placebo
- Safety and efficacy (FEV1 and other) data will be summarized
- No inferential statistical analysis
- Help inform design of future, larger Phase III clinical trials



# MN-221: Safety

## Phase II Study Safety Findings:

- No clinically significant cardiovascular, ECG, or vital sign changes, or other safety concerns, observed at doses up to 30 micrograms/minute for 15 minutes or any time point thereafter
- 60 micrograms/minute infusion improved FEV1 significantly ( $p < 0.0001$ ) without clinically significant cardiovascular, ECG or vital sign changes

## Safety Database:

- MN-221 has been tested in over 300 subjects in the US and Europe to
- Subjects have had infusions with no clinically significant adverse events at:
  - 16 micrograms/minute for up to 4 hours and at lower doses for up to 24 hours



# There are substantial unmet needs in MS

## Description

Efficacy  
(relapse rate)

Safety/  
tolerability

Administration

Combination

Neuroprotection

- Current agents offer only 30-50% relapse reduction
- Neutralizing antibodies can diminish efficacy over time
- Progression (RRMS) –neurodegeneration leads to permanent functional disability
- No approved treatment for PPMS, SPMS
- AEs—including flu-like symptoms
- SAEs –Rare, fatal PML and hepatotoxicity with Tysabri
- Reports of significant FTY side effects (e.g. hepatotoxicity), serious or fatal opportunistic infections, skin cancer
- Injections – daily up to weekly
- Infusions -- monthly
- Increasing interest in combination therapies given incomplete efficacy with current “core” agents
- Black box on combination with Tysabri, REMS program
- Historically, anti-inflammatory agents have shown little impact on disease progression
- Demonstrated neuroprotection, that is, reduction in disease progression, would be groundbreaking



# Multiple Sclerosis Market\*

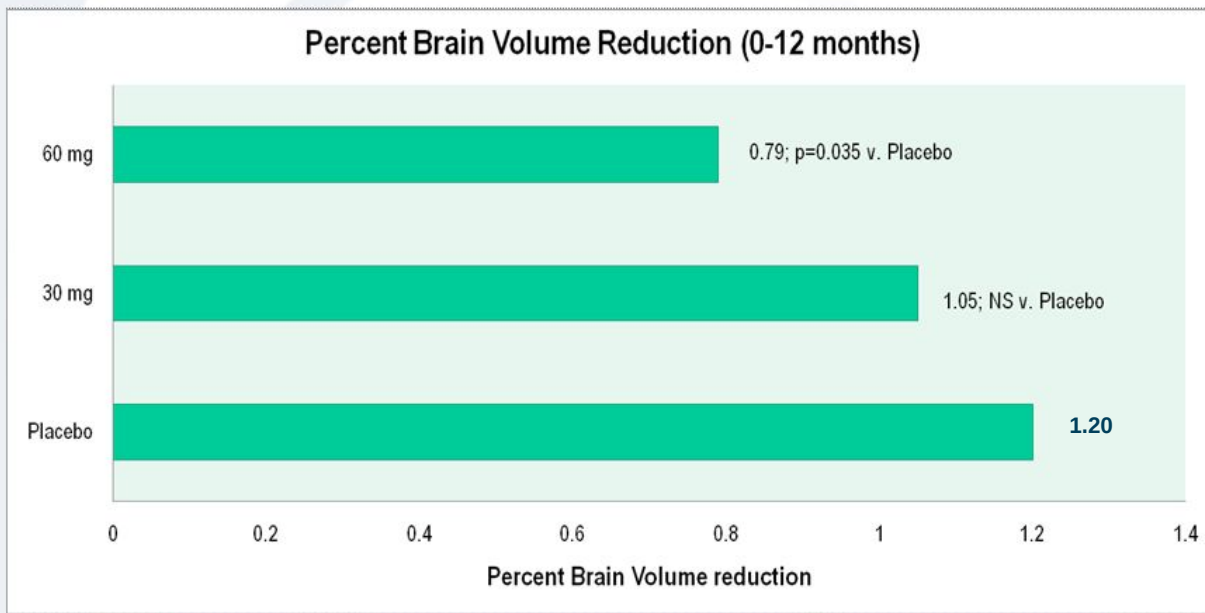
Approx. Sales 2007**	Compound	Sponsor	Side Effects
\$3.3 Billion	<b>Copaxone®</b>	Teva & Sanofi-Aventis	Pain, redness, swelling, itching, chest pain, weakness, infection, nausea, anxiety are most common, also heart palpitations and trouble breathing after injection
\$1.9 Billion	<b>Avonex®</b>	Biogen-Idec	Depression and Flu-like symptoms most common, also liver injury, severe allergic reactions, drop in red/white blood cell count
\$1.7 Billion	<b>Rebif®</b>	Serono & Pfizer	Depression and Flu-like symptoms most common, also liver problems, injection site problems, severe allergic reactions, trouble breathing/loss of consciousness
\$1.4 Billion	<b>Betaseron®</b>	Bayer	Lymphopenia, injection site reaction, asthenia, flu-like symptoms are most common, also necrosis at injection site
\$343 Million	<b>Tysabri®</b>	Biogen-Idec	Infections, depression, pneumonia, acute hypersensitivity reactions, appendicitis most common, also liver damage, PML

*\*All these top selling drugs for MS are immunomodulators*

*\*\*Source: MedAdNews, July 2008 and BIIB annual report 2007*



# Chronic Efficacy Demonstrated: Effects on Brain Volume



**Brain volume changes are linked to axonal l**



## Reduction of Persistent Black Hole (PBH) Formation, a Sign of Axonal Loss

Parameter	Treatment Groups		
	Placebo	30 mg/day	60 mg/day
# Patients w. New Lesions at Month 2	72	64	56
# Patients w. $\geq 1$ PBH (% of Pts. w. New Lesions)	41 (56.9%)	33 (51.6%)	28 (50%)
Mean Proportion of Lesions Evolving to PBH	0.24	0.20	0.16
Median Proportion of Lesions Evolving to PBH	0.17	0.08	0.04
Relative Risk (for Evolution to PBH) vs. placebo	-	0.74	0.63
p Value	-	0.074	<b>0.011</b>

- New T1 gadolinium-enhancing or new T2 lesions were defined as NL in the first on-study MRI at month 2
- Lesions that were hypointense and inactive at month 10 were PBH
- Relative Risk (RR) of NL evolution to PBH was analyzed using a general linear model with the error term from the Poisson distribution



# MN-166 Overview-Safety

- **MN-166 was very well tolerated in Phase II study:**
  - 89% (264 of 297) of subjects completed the first 12 months of the study
  - 82.5% (245 of 297) of subjects completed the full 24 months of the study
- **Discontinuation due to adverse effects was infrequent (5.1% in 60mg/day for 24 months, 2.1% in 30 mg/day for 24 months, 2.0% in placebo to 60 mg/day, 1.9% in placebo to 30 mg/day)**
- **Adverse effects were generally mild and self-limiting**
- **GI adverse effects as a group and depression were the only adverse events to occur more frequently in MN-166-treated than in placebo-treated subjects**
- **Tolerance to the GI side effects occurred rapidly (2-4 days) and tended to occur early in treatment whether MN-166 treatment was initiated in Year 1 or Year 2**
- **Mild-to-moderate depression was reported in 8 subjects; depression is common in MS patients and was reported only towards the end of the study**
- **No significant increase in adverse laboratory or ECG findings was observed**
- **20 serious adverse events were reported; all were likely to be attributable to treatment**
- **No deaths occurred in the study**



# Safety Comparison with Other Oral Agents

Compound	Sponsor	Current Phase	Safety Profile from Phase II trials		
<b>MN-166</b>	MediciNova	Phase II	Mild, transient GI upset		
<b>FTY 720</b>	Novartis	Phase III	↑ Blood pressure ↓ Heart rate	Dyspnea	↑ Liver enzymes Lymphopenia
<b>Cladribine</b>	Merck Serono	Phase III	Fever	Nausea, Vomiting	Leucopenia
<b>BG-12</b>	Biogen-Idec	Phase III	H/A, Nasopharyngitis	GI disorders	↑ Liver enzymes
<b>Laquinimod</b>	Teva	Phase III	↑ Liver enzymes	Arthralgia	↑ Fibrinogen ↓ Hemoglobin