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): November 17, 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:
\boxtimes	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))

Item 8 01 Other Events

Representatives of MediciNova, Inc. (the "Registrant") will be making a corporate presentation at various investor meetings commencing November 17, 2009. A copy of the slide presentation to be used by the Registrant at these meetings is attached hereto as Exhibit 99.1.

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 a filing.

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: November 17, 2009

/s/ SHINTARO ASAKO

Shintaro Asako Vice President and Chief Financial Officer

EXHIBIT INDEX

Exhibit Description

99.1 Slide presentation of the Registrant



Accelerating the global development and commercialization of innovative pharmaceuticals

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 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, anticipated benefits of the merger with Avigen, Inc., value and benefits to stockholders from such transaction, 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 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; failure to complete the merger with Avigen, Inc. on a timely basis or at all; 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, 2008 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. This communication does not constitute an offer to sell or the solicitation of an offer to buy any securities or a solicitation of any vote or approval. This material is not a substitute for the registration statement/prospectus/proxy statement MediciNova, Inc. and Avigen, Inc. will file with the SEC or any other documents that the parties may file with the SEC and send to their respective shareholders in connection with the transaction. INVESTORS AND SECURITY HOLDERS OF AVIGEN, INC. ARE URGED TO READ ANY SUCH DOCUMENTS FILED WITH THE SEC CAREFULLY IN THEIR ENTIRETY WHEN THEY BECOME AVAILABLE BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION ABOUT THE TRANSACTION. Investors and security holders will be able to obtain free copies of any documents filed with the SEC by MediciNova, Inc. and Avigen, Inc. through the website maintained by the SEC at http://www.sec.gov.





Corporate Overview: MediciNova, Inc.

Development Company Focused on Differentiated Product Candidates

 Unique access to differentiated, potentially high-value a primarily from Japanese alliances (Kyorin, Kissei, Mitsubishi Tanabe Pharma, Meiji)

New Approaches to Treat Serious Medical Conditions:

- MN-221: Intravenous (IV) acute asthma and COPD can
 - Potential \$1 Billion+ combined market opportunity
- MN-166: oral multiple sclerosis candidate
 - In 2008, over \$8B in worldwide MS therapeutic sales*

 San Diego, CA

Key Financials:

- DualisteccompanynNasdaqGMndOsak&ecuritieExchangeHercules
- ~\$37.2 million net Cash, Cash Equivalents and Marketable Securities as of 9/30/2009
- ~\$75.2 million Market Cap (NasdaqGM) as of 11/09/2009
- ~12 million shares outstanding

*Source: Individual annual reports of leading MS companies, 2008





Merger Consideration

- Each Avigestockholder will have the option of receiving their pro rata allocation of cash or convertible notes aggregating approximately \$37.0 million (~\$1.24/share), subject to potential upward and downward adjustments as set forth in the merger agreement:
 - First payment consideration of approximately \$35.5 million (~\$1.19/share); and
 - Secondaymentonsideration fapproximate 1.5 million (~\$0.05/sharp) ayable n June 30,2010.
 - Thisholdbackmounts beingheldforanyadjustments certain Aviger define dexpenses marketable security risk, sub-tenant risk, and other liabilities in excess of amounts agreed by the parties.

Convertible Notes Consideration

- 18-montimaturity rom the date of closing of merge (no early cash redemption).
- Principal from the notes will be held in a trust account with principal invested in certain approved investment options.
- Thenotescanbeconverted na monthly asis into commos hares of Medici Novatan initial conversion price equal to \$6.80.



Thispro forma ownership review is presented for illustrative purposes only and does not indicate actual ownership of Medici Novashares at any past, present, of future date.

Actual ownership of Medici Novashares will depend on a variety of factors, including the actual amounts of the First Payment Consideration and Second Payment Consideration and the rounding of fractional shares set forth in the indenture governing the convertible notes.

Summary Securities Ownership Review (Fully Diluted Basis)

	Pre -Transaction	ProFormaShare Outstanding Post-Transaction		
	-		Consideration	
	Shares	All Cash	50% Cash 50% Conv. Notes (3)	100% Conv. Not@s(3)
Common Stock Equivalents			\$2	
MediciNovaStockholders	12,048,003	12,048,003	12,048,003	12,048,003
AvigenStockholders	-	-	2,717,712	5,435,424
MediciNovaExercisable Options	1,711,350	1,711,350	1,711,350	1,711,350
	13,759,353	13,759,353	16,477,065	19,194,777
Ownership %	- X		()	5
MediciNovaStockholders	87.6%	87.6%	73.1%	62.8%
AvigenStockholders	0.0%	0.0%	16.5%	28.3%
MediciNovaExercisable Options	12.4%	12.4%	10.4%	8.9%
	100.0%	100.0%	100.0%	100.0%

⁽¹⁾ Assumes first payment consideration and second payment consideration aggregate \$37.0 million and are both paid at closing and that MediciNova issues no shares or options from August 20, 2009 through the first conversion date of the convertible notes.

Sources of information: SEC Edgar Filings

⁽²⁾ Assumes the convertible notes convert to MediciNova shares at \$6.80.

⁽³⁾ Assumes all convertible notes are converted into MediciNova shares on the first monthly conversion date.



MN-166 for the Treatment of Multiple Sclerosis

MN-166 for Multiple Sclerosis (MS):

- · Oral administration
- · Multiplemechanisms action both neuroprotective and anti-inflammatory
- · MN-166 targets primarily chronic aspects of MS
- · Benign safety profile

Mechanisms of Action:

Potentially Neuroprotective

- Inhibits Nitric Oxide and reactive oxygen species production
- Stimulates release of neuronal growth factors

Anti-inflammatory

- Inhibits PDE4, Leukotriene, and Th1 cytokine production (TNF-alpha, IL-1beta, IL-6)
- Stimulates Th2 cytokine production (IL-4, IL-10)

Current Standard of Care:

- Beta interferon Rebiff, Avone, Betaseron/Betafer an Copaxon Tysabil
- Primaryocusis onacutetreatment fMSsymptom (i.e. relapseate)



© MediciNova, Inc. 2009



Completed Clinical Study: MN-166-CL-001

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

- Year 1 Placebo, 30 mg/day, 60mg/day
- Year 2 30 mg/day, 60mg/day
- 297 patients (~100 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;
- One MRI scan taken two weeks prior to treatment start using a standardized MRI protocol with at least one Gd-enhancing lesion;
- An Expanded Disability Status Scale (EDSS) score of 5.5 or less at the screening and baseline visits.

Safety Profile:

- 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
- Adverse effects reported more frequently in MN-166-treated than placebo-treated subjects: GI effects & depression

© MediciNova, Inc. 2009

7

MEDICINOVA



MN-166 Targets Primarily Chronic Aspects of MS

Indicative of Potential Neuroprofettive

Reduced brain volume loss

P-Value: 0.035

Reduced conversion of acute lesions to persistent black holesue: 0.004

• Sustained disability progression was significantly less like 10% reduction

Acute Clinical Benefit:

Prolong time to relapse (by 127 days.)

Annualized relapse rate

P-Value: 0.04 P-Value: 0.08

Protocol-Defined Primary Endpoint:

No significant reduction in the cumulative number of active (gadolinium-enhancing (T1) and non-enhancing new/enlarging (T2)) lesions on cranial MRI scans over 12 months of treatment was observed

• Positive trends were observed in volume of **P-Value: 0.09**

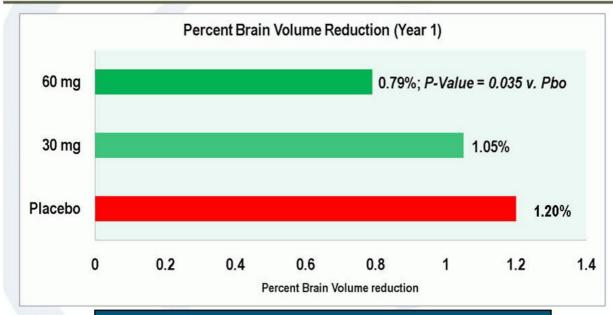
gadolinium-enhancing (T1) lesions

(() Medicinova

Note: In general, P-Values listed on this slide compare Placebo group to 60mg/day group of MN-166

MediciNova, Inc. 2009





Brain volume changes are linked to axonal le

(© MEDICINOVA

© MediciNova, Inc. 2009



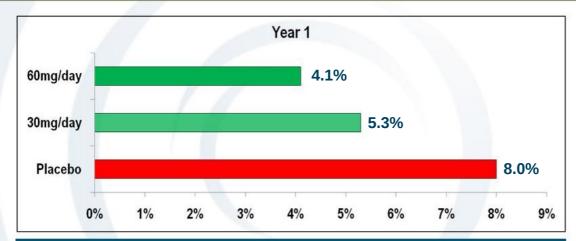
Parameter	Treatment Groups			
Parameter	Placebo	30 mg/day	60 mg/day	
Number Patients w. New Lesions at Month 2	72	64	56	
Total Number New Lesions in all Patients at Month 2	426	338	315	
Total Number of Persistent Black Holes at Month 10	98	58	47	
Percentage of Lesions Evolving to PBH at Month 10	23%	17%	14%	
P-Value	-	0.036	0.004	

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





Sustained Disability Progression

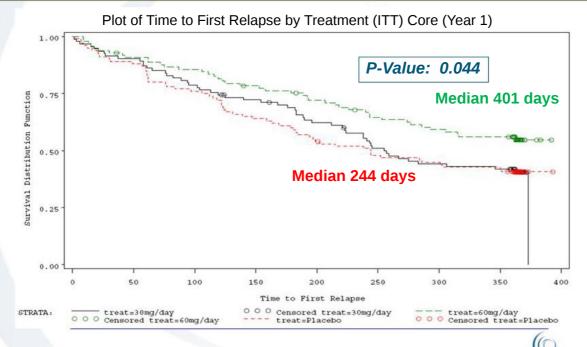


Disability Progression is defined as a sustained increase in ED (increase in EDSS maintained for four consecutive months)



© MediciNova, Inc. 2009





MEDICINOVA

© MediciNova, Inc. 2009



Additional Value from Avigen Deal

AV-411 Package: Value to Potential MN-166 Partnership

- Both AV-411 and MN-166 are ibudilast
- AV-411 preclinical data expected to support clinical package for MN-166.
- Open IND for ibudilast
- AV-411 trial supports MN-166 dosing up to 100 milligrams (mg) versus the maximum dosing of 60 mg in the Phase 2 trial for MN-166
- Expected time savings of six to twelve months.
- Analog compounds behind ibudilast
 - First-generation development candidate: AV1013
 - Second-generation dual target leads

AV-411 Package: New Indication

- AV-411 is currently being studied for VO phrolodawal
- Ongoing clinical study run jointly by the New York State Psychiatric Institute and Columbia University in NYC





MN-221 for Exacerbations of Acute Asthma and COPD

Definition:

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

COPD Exacerbationsstained worsening of the patient's condition, from the stable state and beyond normal day-to-day variations, that is acute in onset.



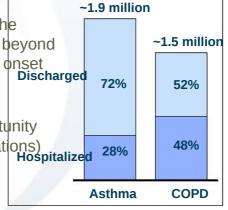
 Potential \$1 Billion+ combined market opportunity worldwide (Acute Asthma & COPD exacerbations) Hospitalized

Current Standard of Care (SOC):

- Beta agonistsnhaled
- Anticholinergicknhaled
- Corticosteroid\$V- or oral

*Source: National Center for Health Statistics / CDC, WHO website, "Core Health indicators"
© MediciNova, Inc. 2009









MN-221:A novelhighlyselectiv β_2 - adrenergiæceptoagonist

Three potential advantages over current therapy:

- 1. Improved Efficacy
 - Route of Administration (IV v. Inhala
- 2. Improved Safety
 - Higher selectivity foreceptor than
 - Partial agonist preceptor
- 3. Reduced Health Care Expenses



© MediciNova, Inc. 2009

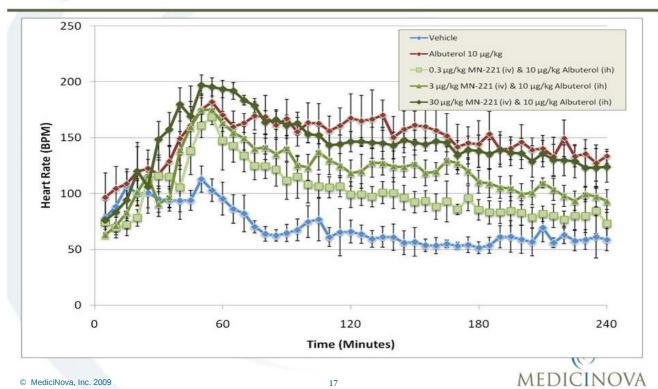


Test Drug	β ₁ IC ₅₀ (M)	β ₂ IC ₅₀ (M)	$β_2$ -Adrenoceptor Selectiv (IC ₅₀ for $β_1$ / IC ₅₀ for $β_2$)
Levalbuterol	7.40E-06	1.40E-06	5.3
Albuterol	9.40E-06	1.60E-06	5.9
Terbutaline	6.00E-05	6.50E-06	9.2
MN-221	5.90E-06	1.40E-07	42.4



© MediciNova, Inc. 2009







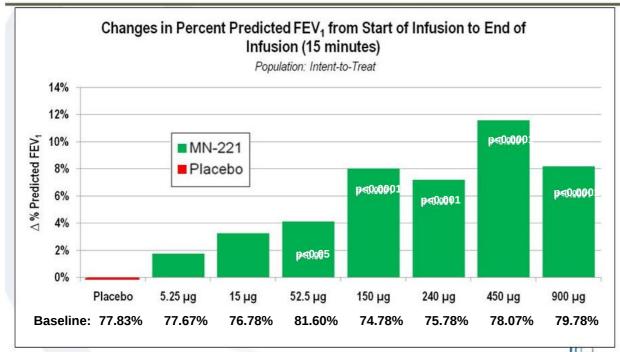
	Completed Studies			Ongoing Studies	
	CL-004	CL-005	CL-006	CL-007	CL-010
Indication	Mild-to-moder Asthmatics	Moderate-to- ate Severe Asthmatics	Acute Exacerbation of Asthma	Acute sExacerbation of Asthma	Moderate-to- s Severe COPD patients
FE\(Entry Criteri	೯EY ≥ 60%	75%≥ FEY≥ 40%	FEY≤55%	FEY≤50%	80%≥ FEY≥ 30%
Number Patients	23	17	29	200	48
Number Site	s 4	4	8	~45	6
Doses Teste compared to Placebo	5.25, 15, 52.5 150, 240, 450 900 μg over 15 min	1,125 μg ove		1200 μg ove	΄300, 600, 1200 μg over 1-hr

Note: CL-004, CL-005, CL-010 located in the clinic. CL-006, CL-007 located in the Emergency Department

© MediciNova, Inc. 2009

MEDICINOVA



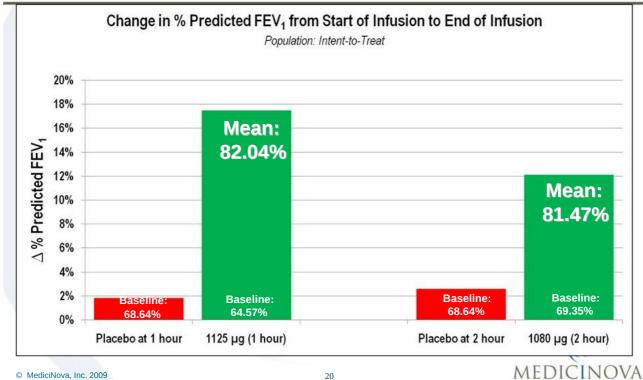


© MediciNova, Inc. 2009

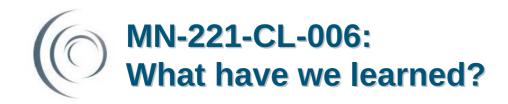
19

MEDICINOVA





© MediciNova, Inc. 2009

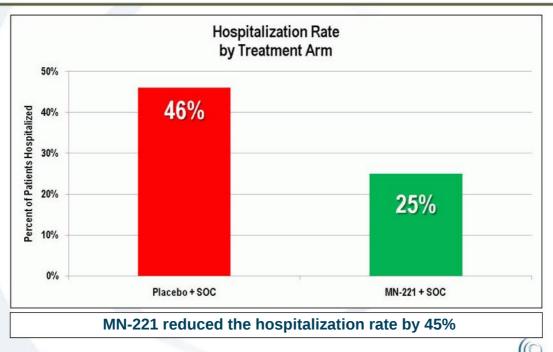


What did we learn from MN-221-CL-006?

- There were no safety concerns with adding MN-221 to the standard of care.
- There was a reduction in the hospitalization rate among patients treated with MN-221.
- Overall, improvement in provement in greater for patients receiving MN-221 than placebo.
- A dose of 1,200 μgMN-221 administered over one hour was selected for the MN-221-CL-007 trial.







© MediciNova, Inc. 2009

22

MEDICINOVA



Study Design

- · Randomized, placebo-controlled, double-blind, multi-center Phase II clinical trial
- 200patientswithsevereacuteexacerbationosasthma(FEV≤50%predicted)
 at ~45 Emergency Department sites in US, Canada, Australia, and New Zealand
- Dose Groups (~100 patients/group):
 - 600μg in 15minutes 600μg for in minute (1,20 Qug) MN-221
 - Placebo
- Patients will receive Standard of Care (SOC) treatment in addition to adjunctive treatment with MN-221 or placebo
- PrimarefficacendpointvillbeimprovemeimtFEV₁ (%predicted)t5 hours
 - The study is designed to have 80% power to detect a treatment difference of 5 percentage points in F@V predicted) when comparing MN-221 + SOC to Placebo + SOC at a two sides vel of 0.05.
- Anticipated completion in 2H, 2010*

*Anticipated completion dates based on current projections
Note: Development plans / timelines for MN-221 clinical trials are subject to change

© MediciNova, Inc. 2009

23





Study Design

- Randomized, double-blind, placebo-controlled brasstalation study
- 48 subjects with stable moderate-to-severe Chronic Obstructive Pulmonary Disease (FEY \geq 30% < 80% and F/EVC ratio < 0.7) at 6 sites in the US
- Doses:

© MediciNova, Inc. 2009

- 150 μg in 15 minutes followed by 150 μg in 45 minutes (1-hour infusion with a total dose of 300 μg) or placebo
- 300 μg in 15 minutes followed by 300 μg in 45 minutes (1-hour infusion with a total dose of 600 μg) or placebo
- 600 μ g in 15 minutes followed by 600 μ g/min in 45 minutes (1-hour infusion with a total dose of 1,200 μ g) or placebo
- Outcome measuredescriptive statistics of Fig. Y, PK, safety
- Anticipated completion in 1H, 2010

*Anticipated completion dates based on current projections Note: Development plans / timelines for MN-221 clinical trials are subject to change





Commercially-Attractive Diversified Portfolio

Preclinical	Phase I	Phase II	Phase III
Kyorin 🔾	Seeking Glo	obal Partner	
KISSEI	COPD	Asthma	
Preclinical	Phase I	Phase II	Phase III
Kyorin 🔾			
Matsubishi Tariate Pharms			
Kyorin 🔾			
(Q) ANGIOGENE			
KISSEI			
Misubishi Tarube Pharma			
Meiji			
	Kyorin C KISSEI Preclinical Kyorin C Matthebith Tarabe Pharma Kyorin C ANGIOGENE KISSEI Matthebith Tarabe Pharma	Kyorin Co Seeking Glo KISSE COPD Preclinical Phase I Kyorin Co Kyorin Co Kyorin Co Kyorin Co Kyorin Co Kyorin Co Kissel	Kyorin C Seeking Global Partner KISSE COPD Asthma Preclinical Phase I Phase II Kyorin C Ky



Management Team with Global Experience









Leadership	Years	Background
Yuichi Iwaki, MD, PhD CEO & President	33	Professor at USC, formerly Professor University of Pittsburgh; Advisor to JA Tanabe
ShintarcAsakoCPA Chief Financial Officer	11	KPMG USA (Audit), Arthur Andersen I
Masatsun@kajimaCMA VP, Head of Japanese Office	17 ce	Daiwa Securities SMBC, Sumitomo Capital Securities, Sumitom Bank
Alan Dunton, MD, PhD Clinical Development Consu & Board Member	26 Itant	CEO of Panac&sMetaphore President of the Janssen Research Foundation, J&J company





Near-Term Business Plan:

- 1. Secure a global partnership for MN-166/AV-411 combined package*
- 2. Secure a regional partnership (ex-US/Japan rights) for MN-221

Clinical Milestones:

- 1. MN-221-CL-007 Phase II study for Acute Exacerbations of Asthma
 - Anticipated completion 2H, 2010**
- 2. MN-221-CL-0P0asebstudyin Moderate-to-Sev@PDpatients
 - Anticipated completion in 1H, 2010**



^{*}Assumes completion of acquisition of Avigen

^{**}Anticipated completion dates based on current projections

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