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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549**

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**FORM 10-Q**

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(Mark One)

**QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
FOR THE QUARTERLY PERIOD ENDED MARCH 31, 2005**

**TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
FOR THE TRANSITION PERIOD FROM            TO**

Commission file number: 000-51133

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**MEDICINOVA, INC.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or Other Jurisdiction of Incorporation or Organization)

**33-0927979**  
(I.R.S. Employer Identification No.)

**4350 La Jolla Village Drive, Suite 950, San Diego, CA**  
(Address of Principal Executive Offices)

**92122**  
(Zip Code)

**(858) 373-1500**  
(Registrant's Telephone Number, Including Area Code)

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Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant is an accelerated filer (as defined in Rule 12b-2 of the Exchange Act). Yes  No

As of April 29, 2005, the registrant had 98,855,856 shares of Common Stock (\$0.001 par value) outstanding.

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**(a development stage company)**  
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## PART I. FINANCIAL INFORMATION

## ITEM 1. FINANCIAL STATEMENTS

MediciNova, Inc.  
(a development stage company)  
Balance Sheets

	March 31, 2005	December 31, 2004
	(Unaudited)	
<b>Assets</b>		
Current assets:		
Cash and cash equivalents	\$ 81,492,500	\$ 38,801,328
Marketable securities available-for-sale	75,900,000	12,000,000
Prepaid expenses and other current assets	1,853,378	487,576
	<hr/>	<hr/>
Total current assets	159,245,878	51,288,904
Property and equipment, net	479,660	308,187
Other assets	—	2,171,504
	<hr/>	<hr/>
	\$ 159,725,538	\$ 53,768,595
	<hr/>	<hr/>
<b>Liabilities and Stockholders' Equity</b>		
Current liabilities:		
Accounts payable	\$ 1,078,315	\$ 469,798
Accrued expenses	1,913,337	1,552,622
Accrued compensation and related expenses	239,309	562,656
	<hr/>	<hr/>
Total current liabilities	3,230,961	2,585,076
Deferred rent	50,649	31,321
	<hr/>	<hr/>
Total liabilities	3,281,610	2,616,397
	<hr/>	<hr/>
Commitments		
Redeemable convertible preferred stock, \$0.01 par value; no shares and 27,667,856 shares authorized, issued and outstanding at March 31, 2005 and December 31, 2004, respectively	—	43,483,076
Stockholders' equity:		
Convertible preferred stock, \$0.01 par value; 5,000,000 and 1,291,150 shares authorized at March 31, 2005 and December 31, 2004, respectively; no shares and 1,291,150 shares issued and outstanding at March 31, 2005 and December 31, 2004, respectively	—	12,912
Common stock, \$0.001 par value; 200,000,000 and 83,000,000 shares authorized at March 31, 2005 and December 31, 2004, respectively; 98,855,856 and 500,000 shares issued and outstanding at March 31, 2005 and December 31, 2004, respectively	98,856	500
Additional paid-in capital	257,065,121	103,603,132
Deferred employee stock-based compensation	(1,108,588)	(1,194,721)
Deficit accumulated during the development stage	(99,611,461)	(94,752,701)
	<hr/>	<hr/>
Total stockholders' equity	156,443,928	7,669,122
	<hr/>	<hr/>
Total liabilities and stockholders' equity	\$ 159,725,538	\$ 53,768,595
	<hr/>	<hr/>

See accompanying notes.

**MediciNova, Inc.**  
**(a development stage company)**  
**Statements of Operations**  
**(Unaudited)**

	<u>Three months ended March 31,</u>		<b>Period from September 26, 2000 (inception) to March 31, 2005</b>
	<u>2005</u>	<u>2004</u>	
Revenues	\$ 1,860	\$ 128,607	\$ 492,142
Operating expenses:			
Cost of revenues	1,039	110,507	438,621
Research and development	4,078,147	2,248,108	26,786,240
General and administrative	1,335,019	509,813	8,558,236
Employee stock-based compensation and founders' warrants:			
Research and development	51,645	—	158,415
General and administrative	34,488	3,948,800	34,222,213
<b>Total operating expenses</b>	<b>5,500,338</b>	<b>6,817,228</b>	<b>70,163,725</b>
Operating loss	(5,498,478)	(6,688,621)	(69,671,583)
Other income, net	659,407	10,915	1,423,244
Net loss	(4,839,071)	(6,677,706)	(68,248,339)
Accretion to redemption value of redeemable convertible preferred stock	(19,689)	—	(98,445)
Deemed dividend resulting from beneficial conversion feature on Series C redeemable convertible preferred stock	—	—	(31,264,677)
<b>Net loss applicable to common stockholders</b>	<b>\$ (4,858,760)</b>	<b>\$ (6,677,706)</b>	<b>\$ (99,611,461)</b>
Basic and diluted net loss per share (1)	\$ (0.08)	\$ (13.36)	
Shares used to compute basic and diluted net loss per share	60,047,068	500,000	

- (1) As a result of the conversion of our preferred stock into 66,782,856 shares of our common stock upon completion of our initial public offering in February 2005, there is a lack of comparability in the basic and diluted net loss per share amounts for the periods presented above. Please refer to Note 1 for the pro forma basic and diluted net loss per share calculations for the periods presented.

See accompanying notes.

**MediciNova, Inc.**  
**(a development stage company)**  
**Statements of Cash Flows**  
**(Unaudited)**

	Three months ended March 31,		Period from September 26, 2000 (inception) to March 31, 2005
	2005	2004	
<b>Operating activities:</b>			
Net loss	\$ (4,839,071)	\$ (6,677,706)	\$ (68,248,339)
Adjustments to reconcile net loss to net cash used in operating activities:			
Non-cash stock-based compensation	86,133	3,948,800	34,380,628
Depreciation and amortization	23,167	4,035	188,386
Changes in operating assets and liabilities:			
Prepaid expenses and other assets	(1,365,802)	(72,646)	(1,853,378)
Accounts payable, accrued expenses and deferred rent	1,236,002	757,857	2,200,323
Accrued compensation and related expenses	(323,347)	(41,505)	239,309
Net cash used in operating activities	(5,182,918)	(2,081,165)	(33,093,071)
<b>Investing activities:</b>			
Purchases of marketable securities available-for-sale	(77,400,000)	—	(89,400,000)
Maturities of marketable securities available-for-sale	13,500,000	—	13,500,000
Acquisitions of property and equipment	(194,640)	(52,439)	(862,867)
Proceeds from sale of property and equipment	—	—	194,821
Net cash used in investing activities	(64,094,640)	(52,439)	(76,568,046)
<b>Financing activities:</b>			
Net proceeds from the sale of common stock	111,968,730	—	110,936,646
Sales of preferred stock, net of issuance costs	—	5,779,445	80,216,971
Advances received for the sale of convertible preferred stock	—	(300,000)	—
Net cash provided by financing activities	111,968,730	5,479,445	191,153,617
Net increase in cash and cash equivalents	42,691,172	3,345,841	81,492,500
Cash and cash equivalents, beginning of period	38,801,328	4,240,699	—
Cash and cash equivalents, end of period	\$ 81,492,500	\$ 7,586,540	\$ 81,492,500
<b>Supplemental disclosure of non-cash investing and financing activities:</b>			
Conversion of convertible preferred stock into common stock upon initial public offering	\$ 43,515,677	\$ —	\$ 43,515,677
Increase/(decrease) in accrued IPO issuance costs	\$ (247,442)	\$ —	\$ 841,978

See accompanying notes.

**MediciNova, Inc.**  
**(a development stage company)**  
**Notes to Financial Statements**  
**(Unaudited)**

**1. Interim Financial Information**

***The Company***

We were incorporated in the state of Delaware in September 2000. We are a specialty pharmaceutical company focused on the acquisition, development and commercialization of innovative pharmaceutical products. Our in-licensed compounds and our pipeline, which includes several compounds in clinical testing, target a variety of prevalent medical conditions, including premature labor, cancer and asthma.

***Basis of Presentation***

We have prepared the accompanying unaudited financial statements in accordance with accounting principles generally accepted in the United States of America for interim financial information and with the instructions to Form 10-Q and Article 10 of Regulation S-X. Accordingly, they do not include all of the information and disclosures required by generally accepted accounting principles for complete financial statements. In the opinion of our management, all adjustments (consisting of normal recurring accruals) considered necessary for a fair presentation have been included. Operating results for the three months ended March 31, 2005 are not necessarily indicative of the results that may be expected for the year ending December 31, 2005. For further information, see the financial statements and disclosures thereto for the year ended December 31, 2004 in our Annual Report on Form 10-K filed with the Securities and Exchange Commission.

**2. Net Loss Per Share**

We calculated net loss per share in accordance with Statement of Financial Accounting Standards ("SFAS") No. 128, *Earnings Per Share*. Basic net loss per share is calculated by dividing the net loss attributable to common stockholders by the weighted average number of common shares outstanding for the period, without consideration for common stock equivalents. Diluted net loss per share is computed by dividing the net loss attributable to common stockholders by the weighted average number of common share equivalents outstanding for the period determined using the treasury-stock method. For purposes of this calculation, convertible preferred stock, stock options and warrants are considered to be common stock equivalents and are only included in the calculation of diluted net loss per share when their effect is dilutive.

Upon the completion of our initial public offering, all of our previously outstanding preferred shares converted into 66,782,856 shares of our common stock. As a result of the issuance of these common shares, there is a lack of comparability in both the basic and diluted net loss per share amounts for the periods presented. In order to provide a more relevant measure of our operating results, an unaudited pro forma net loss per share calculation has been included. The shares used to compute unaudited pro forma basic and diluted net loss per share include the assumed conversion of all outstanding shares of preferred stock into shares of common stock using the as-if converted method as of the beginning of each period presented or the date of issuance, if later.

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Historical and pro forma basic and diluted net loss per share were calculated as follows:

	<b>Three months ended March 31,</b>	
	<b>2005</b>	<b>2004</b>
<b>Historical</b>		
Numerator:		
Net loss	\$ (4,839,071)	\$ (6,677,706)
Accretion to redemption value of redeemable convertible preferred stock	(19,689)	—
Net loss applicable to common stockholders	<u>\$ (4,858,760)</u>	<u>\$ (6,677,706)</u>
Denominator:		
Weighted average common shares outstanding	60,047,068	500,000
Basic and diluted net loss per share	<u>\$ (0.08)</u>	<u>\$ (13.36)</u>
<b>Pro Forma</b>		
Pro forma net loss	\$ (4,839,071)	\$ (6,677,706)
Pro forma basic and diluted net loss per share	<u>\$ (0.06)</u>	<u>\$ (0.31)</u>
Shares used above	60,047,068	500,000
Pro forma adjustments to reflect assumed weighted average effect of conversion of preferred stock	25,971,111	21,323,407
Pro forma shares used to compute basic and diluted net loss per share	<u>86,018,179</u>	<u>21,823,407</u>
<b>Historical outstanding anti-dilutive securities not included in diluted net loss per share calculation</b>		
Preferred stock (as-converted)	—	27,180,000
Common stock warrants	13,356,572	4,936,000
Common stock options	1,550,000	462,000

### 3. Stock-Based Compensation

We have elected to follow Accounting Principles Board (“APB”) Opinion No. 25, *Accounting for Stock Issued to Employees*, and related Interpretations in accounting for our employee stock options as permitted by SFAS No. 123, *Accounting for Stock-Based Compensation*. Under APB 25, if the exercise price of our employee stock options is not less than the fair value of the underlying stock on the date of grant, no compensation expense is recognized. The following table illustrates the effect on net earnings and earnings per share as if we had applied the fair value recognition provisions of SFAS No. 123 to stock-based employee compensation:

	<b>Three months ended March 31,</b>	
	<b>2005</b>	<b>2004</b>
Net loss applicable to common stockholders, as reported	\$(4,858,760)	\$(6,677,706)
Add: total stock-based employee compensation expense included in reported net loss	86,133	3,948,800
Less: stock-based employee compensation expense determined under the fair value method	(96,581)	(1,042,000)
Pro forma net loss applicable to common stockholders	<u>\$(4,869,208)</u>	<u>\$(3,770,906)</u>
Basic and diluted net loss per share, as reported	<u>\$ (0.08)</u>	<u>\$ (13.36)</u>
Basic and diluted net loss per share, pro forma	<u>\$ (0.08)</u>	<u>\$ (7.54)</u>

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The fair value of the options granted prior to the completion of our initial public offering was estimated at the date of grant using the minimum value pricing model. Upon completion of the initial public offering in February 2005, we began using the Black-Scholes model to estimate fair value. The estimated fair value of the options is amortized on a straight-line basis over the vesting period. The pro forma net loss for the three months ended March 31, 2004 is less than the reported net loss due to variable measurement of the fair value of the founders' warrants required by APB No. 25 as compared to grant date measurement of fair value required by SFAS No. 123. The following weighted-average assumptions were utilized for the calculations during the three months ended March 31, 2004: risk-free interest rate of 3.90%; dividend yield of zero; expected volatility of zero; and a life of the stock options of five years. No options were granted during the three months ended March 31, 2005.

In December 2004, the Financial Accounting Standards Board, or FASB, issued SFAS No. 123 (revised 2004), *Share-Based Payment*, or SFAS No. 123R. SFAS No. 123R requires that employee stock-based compensation is measured based on its fair value on the grant date and is treated as an expense that is reflected in the financial statements over the related service period. SFAS No. 123R applies to all employee equity awards granted after adoption and to the unvested portion of equity awards outstanding as of adoption. In April 2005, the Securities and Exchange Commission adopted an amendment to Rule 4-01(a) of Regulation S-X that delays the implementation of SFAS No. 123R until the first interim or annual period of the registrant's first fiscal year beginning on or after June 15, 2005. As a result, we currently anticipate adopting SFAS No. 123R using the modified-prospective method effective January 1, 2006. While we are currently evaluating the impact on our financial statements of the adoption of SFAS No. 123R, we anticipate that our adoption of SFAS No. 123R will have a significant impact on our results of operations for 2006 and future periods although our overall financial position will not be effected.

#### **4. Related Party Transactions**

Our board of directors approved an arrangement in September 2001, and again in November 2004, to engage Dr. Yuichi Iwaki, Chairman of the Board, as a consultant in connection with financing transactions and business development activities, pursuant to which we pay Dr. Iwaki \$20,000 per month plus other cash or stock compensation, if any, as the board of directors deems appropriate for his services rendered. Compensation earned by Dr. Iwaki during each of the three months ended March 31, 2005 and 2004 was \$60,000.

#### **5. Facility Lease**

In March 2005, we amended our non-cancellable operating lease for our corporate headquarters to expand our leased space from 11,375 square feet to 16,609 square feet.

Future minimum payments are as follows at March 31, 2005:

	<u>Operating Lease</u>
Nine months ending December 31, 2005	\$ 454,637
2006	636,125
2007	656,056
2008	54,810
	<u>\$ 1,801,628</u>

#### **6. Redeemable Convertible Preferred Stock and Stockholders' Equity**

##### ***Initial Public Offering***

On February 4, 2005, we completed an initial public offering of 30,000,000 shares of common stock for proceeds to us of \$104,486,895, net of underwriting discounts and commissions and offering expenses. In addition, on



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March 8, 2005, we closed the sale of an additional 1,573,000 shares of our common stock pursuant to the partial exercise, by our underwriters, of an over-allotment option which resulted in aggregate proceeds to us of \$5,557,773.

### **Conversion of Preferred Stock**

In connection with our initial public offering, each share of preferred stock outstanding as of February 4, 2005 was automatically converted into common stock.

### **Stock Options**

Upon the completion of our initial public offering on February 4, 2005, our 2004 Stock Incentive Plan became effective with 20,300,000 shares of common stock authorized for issuance. No future grants will be made from our 2000 General Stock Incentive Plan.

## **ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS**

### **Forward-Looking Statements May Prove Inaccurate**

*The following discussion and analysis should be read in conjunction with our financial statements and notes thereto included in this report on Form 10-Q and the audited financial statements and notes thereto as of and for the year ended December 31, 2004 included our Annual Report on Form 10-K filed with the Securities and Exchange Commission on March 22, 2005. Operating results are not necessarily indicative of results that may occur in future periods.*

*This report includes various forward-looking statements that are subject to risks and uncertainties, many of which are beyond our control. Our actual results could differ materially from those anticipated in these forward looking statements as a result of various factors, including those set forth below under the caption "Risk Factors." Forward-looking statements discuss matters that are not historical facts. Forward-looking statements include, but are not limited to, discussions regarding our operating strategy, growth strategy, acquisition strategy, cost savings initiatives, industry, economic conditions, financial condition, liquidity and capital resources and results of operations. In this report, for example, we make forward-looking statements regarding our expectations about the rate of revenue growth and the reasons for that growth and our profitability. Such statements include, but are not limited to, statements preceded by, followed by or that otherwise include the words "believes," "expects," "anticipates," "intends," "estimates," "projects," "can," "could," "may," "will," "would" or similar expressions. For those statements, we claim the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995. You should not unduly rely on these forward-looking statements, which speak only as of the date on which they were made. They give our expectations regarding the future but are not guarantees. We undertake no obligation to update publicly or revise any forward-looking statements, whether as a result of new information, future events or otherwise, unless required by law.*

### **Overview and Recent Developments**

We are a specialty pharmaceutical company focused on acquiring, developing and commercializing innovative pharmaceutical products for a variety of diseases and conditions. We actively seek to identify and acquire license rights to product candidates with extensive safety and efficacy data that are in late pre-clinical or early clinical development and that address large markets with significant opportunities for improved therapies.

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Our development programs follow a dual pathway:

- strategic core programs; and
- partnering programs.

Our strategic core programs consist of product candidates we intend to retain the rights to through final regulatory approval in the United States and commercialize directly. Our partnering programs consist of product candidates we intend to license to larger pharmaceutical companies and with respect to which we intend to retain co-promotion rights. To date, we have acquired license rights to six compounds. We currently have Phase I clinical trials ongoing for MN-029 (Solid tumor) and MN-221 (Premature labor) in our strategic core program and intend to enter into a Phase I clinical trial for MN-246 (Urinary incontinence; Pollakisuria) during the fourth quarter of 2005. We currently have Phase II clinical trials ongoing for MN-305 (Generalized Anxiety Disorder) and MN-001 (Bronchial asthma) in our partnering program and MN-001 (Interstitial cystitis) in our core program. We anticipate entering into Phase II clinical trials for MN-221 in our strategic core program during the fourth quarter of 2005 and MN-166 (Multiple sclerosis) in our partnering program by the end of the third quarter of 2005.

On February 4, 2005, we completed an initial public offering of 30.0 million shares of common stock for proceeds of \$104.5 million, net of underwriting discounts and offering expenses.

On March 8, 2005, we completed the sale of 1,573,000 shares of our common stock for aggregate proceeds of \$5.6 million. The sale of these shares was the result of the underwriters' partial exercise of the over-allotment option we granted to them in connection with our initial public offering.

We are a development stage company. We have incurred significant net losses since our inception. As of March 31, 2005, our accumulated deficit was approximately \$99.6 million, including \$34.4 million of non-cash stock-based compensation charges related to employee stock-based compensation and founders' warrants. We expect to incur substantial net losses for the next several years as we continue to develop our existing programs, expand our research and development programs and acquire or in-license products, technologies or businesses that are complementary to our own.

### ***Revenues and Cost of Revenues***

We have not generated any revenues from licensing, milestones or product sales to date, and we do not expect to generate these revenues within the next 12 to 18 months. Our revenues to date have been generated from development management contracts with Asahi Kasei Pharma Corporation and Argene Inc. under which we bill consulting fees and our pass-through clinical contract costs. The primary cost associated with our revenue is the clinical contract costs we incur and pass-through to our customer. We expect to generate revenue from the Argene development management contract for a least the next 12 to 18 months based on currently scheduled clinical trials.

### ***Research and Development***

Our research and development expenses primarily consist of costs associated with the feasibility, licensing and pre-clinical and clinical development of our six licensed compounds, one of which we are developing for the treatment of two separate indications. These research and development expenses include external costs, such as fees paid to consultants and related contract research, and internal costs of compensation and other expenses for research and development personnel, supplies, materials, facility costs and depreciation.

To the extent that costs, including personnel costs, are not tracked to a specific product development program, they are included in the "Unallocated" category in the table below. We charge all research and development expenses to operations as incurred.

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The following summarizes our research and development expenses for the periods indicated (in thousands):

Product Candidate	Disease/Indication	Three months ended March 31,	
		2005	2004
<b>Strategic Core Programs</b>			
MN-221	Premature labor	\$ 459	\$ 4
MN-029	Solid tumor	546	787
MN-001	Interstitial cystitis	614	5
MN-246	Urinary incontinence; Pollakisuria	27	—
		<u>1,646</u>	<u>796</u>
<b>Partnering Programs</b>			
MN-001	Bronchial asthma	826	563
MN-305	Generalized Anxiety Disorder	873	75
MN-166	Multiple sclerosis	73	416
		<u>1,772</u>	<u>1,054</u>
SOCC	Cancer; Inflammatory diseases	15	17
Unallocated		645	381
		<u>660</u>	<u>398</u>
Total research and development		<u>\$ 4,078</u>	<u>\$ 2,248</u>

At this time, due to the risks inherent in the clinical trial process and given the early stage of development of our product development programs, we are unable to estimate with any certainty the costs we will incur in the continued development of our product candidates for potential commercialization. Due to these same factors, we are unable to determine the anticipated completion dates for our current product development programs. Clinical development timelines, probability of success and development costs vary widely. While currently we are focused on advancing each of our product development programs, we anticipate that we will make determinations as to which programs to pursue and how much funding to direct to each program on an ongoing basis in response to the scientific and clinical success of each product candidate, as well as an ongoing assessment as to the product candidate's commercial potential. In addition, we cannot forecast with any degree of certainty which product candidates will be subject to future partnering, when such arrangements will be secured, if at all, and to what degree such arrangements would affect our development plans and capital requirements. As a result, we cannot be certain when and to what extent we will receive cash inflows from the commercialization of our drug candidates.

We expect our development expenses to be substantial and to increase as we continue the advancement of our product development programs. The lengthy process of completing clinical trials and seeking regulatory approval for our product candidates requires the expenditure of substantial resources. Any failure by us or delay in completing clinical trials, or in obtaining regulatory approvals, could cause our research and development expenses to increase and, in turn, have a material adverse effect on our results of operations.

### **General and Administrative**

Our general and administrative expenses primarily consist of salaries and benefits and consulting and professional fees related to our administrative, finance, human resources, legal and internal systems support functions. In addition, general and administrative expenses include insurance and facilities costs.

### **Critical Accounting Policies and Estimates**

There were no significant changes in critical accounting policies or estimates from those at December 31, 2004.

## Recent Accounting Pronouncements

In December 2004, the FASB issued SFAS No. 123R, *Share-Based Payment*, which requires stock-based compensation for an award of equity instruments, including stock options and employee stock purchase rights, issued to employees to be recognized as a cost in the financial statements. The cost of these awards are measured according to the grant date fair value of the stock options and is recognized over the period during which an employee is required to provide service in exchange for the award, which is usually the vesting period. In the absence of an observable market price for the stock awards, the grant-date fair value of the stock options would be based upon a valuation methodology that takes into consideration various factors, including the exercise price of the option, the expected term of the option, the current price of the underlying shares, the expected volatility of the underlying share price, the expected dividends on the underlying shares and the risk-free interest rate. The requirements of SFAS No. 123R are effective for us beginning January 1, 2006. The adoption of this standard is expected to increase operating expenses and we are currently evaluating the extent of this impact on our financial statements.

## Results of Operations

### *Comparison of the Three Months Ended March 31, 2005 and 2004*

#### *Revenues*

Our revenue decreased to \$2,000 for the three months ended March 31, 2005 from \$129,000 for the three months ended March 31, 2004. The decrease primarily was due to the completion of the Asahi Kasei master services agreement in December 2004 and lower pass-through activity under the Argenes master services agreement.

#### *Research and Development*

Research and development expenses increased to \$4.1 million for the three months ended March 31, 2005 from \$2.2 million for the three months ended March 31, 2004. This increase primarily was due to:

- an increase of \$0.9 million in our strategic core programs as a result of \$0.7 million of clinical trial and related costs and \$0.2 million of other costs;
- an increase of \$0.7 million in our partnering programs as a result of a \$1.1 million increase in clinical trial and related costs and a \$0.4 million decrease in other costs, primarily consisting of translation fees; and
- an increase of \$0.3 million in unallocated expenses as a result of increased salaries and related personnel costs due to increased research and development staff.

We expect that fees paid to external service providers will continue to increase as we acquire new product candidates and continue development of our existing product candidates. We anticipate that our research and development expenses will continue to increase in future periods as we expend additional capital to conduct clinical trials and develop our product candidates.

#### *General and Administrative*

General and administrative expenses increased to \$1.3 million for the three months ended March 31, 2005 from \$0.5 million for the three months ended March 31, 2004. This increase primarily was due to \$0.3 million of salaries and related costs as we expanded our general and administrative functions to support our operations, \$0.3 million of legal fees, other professional fees and consulting fees and expenses paid to the chairman of our board of directors and \$0.2 million of other expenses. We anticipate increases in general and administrative expenses in future periods as we expand our administrative organization and incur additional costs for insurance and professional fees associated with operating as a public company and to support the future growth of our research and development organization.

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### *Stock-Based Compensation*

Stock-based compensation expenses decreased to \$0.1 million for the three months ended March 31, 2005 from \$4.0 million for the three months ended March 31, 2004. The decrease primarily was due to the issuance of warrants at exercise prices below the estimated fair value of our common stock and the amortization of deferred stock-based compensation in 2004. During the three months ended March 31, 2004, pursuant to the anti-dilution provisions of the warrants originally issued in September 2000 to our founders and as a result of the sale of our Series B preferred stock, we adjusted the warrants to provide that our two founders may purchase an aggregate of 4,936,000 shares of our common stock. As a result, we recorded \$4.0 million of stock-based compensation expense to reflect the difference between the deemed fair value of the underlying common stock and the warrant exercise price at March 31, 2004 for all warrants issued to date. We had no issuances of options or warrants during the comparable period in 2005 that required us to record stock-based compensation expenses. Based on deferred employee stock-based compensation amounts recorded through March 31, 2005, the total amortization expense for the years ending December 31, 2005, 2006, 2007 and 2008 will be \$345,000, \$345,000, \$345,000 and \$160,000, respectively.

### *Other Income, Net*

Other income, net is primarily interest income earned on our cash and investment balances and totaled \$659,000 and \$11,000 for the three months ended March 31, 2005 and 2004, respectively. The increase in income amounts from 2004 to 2005 primarily was due to the increase in our average cash and investment balances as a result of the proceeds from our initial public offering.

### **Liquidity and Capital Resources**

Since our inception, our operations have been financed through the private placement of our equity securities and through the public sale of our common stock in our initial public offering. Through March 31, 2005, we received estimated net proceeds of \$190.4 million from the sale of equity securities as follows:

- in September 2000, we issued and sold 500,000 shares of common stock to founders for aggregate proceeds of \$0.1 million;
- in October 2000 and August 2001, we issued and sold a total of 1,000,000 shares of Series A preferred stock for aggregate net proceeds of \$10 million;
- from March 2003 through May 2004, we issued and sold 291,150 shares of Series B preferred stock for aggregate net proceeds of \$26.8 million;
- on September 2, 2004, we issued and sold 27,667,856 shares of Series C preferred stock for aggregate net proceeds of \$43.4 million;
- on February 4, 2005, we completed an initial public offering of 30.0 million shares of common stock for proceeds of \$104.5 million, net of underwriting discounts and estimated offering expenses; and
- on March 8, 2005, we completed the sale of 1,573,000 shares of our common stock for aggregate proceeds of \$5.6 million. The sale of these shares was the result of the underwriters' partial exercise of the over-allotment option we granted to them in connection with our initial public offering.

As of March 31, 2005, we had \$81.5 million in cash and cash equivalents as compared to \$38.8 million as of December 31, 2004, an increase of \$42.7 million. The increase primarily resulted from completion of the sale of our initial public offering of common stock and over-allotment option exercised by our underwriters. Net cash used in operating activities amounted to \$5.2 million for the three months ended March 31, 2005, primarily reflecting the net loss occurring for this period of \$4.8 million. Net cash used in investing activities for the three months ended March 31, 2005 consisted of \$64.0 million for the net purchase of investments and \$0.2 million of capital equipment

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purchases. Net cash provided by financing activities amounted to \$112.0 million for the three months ended March 31, 2005, primarily reflecting the sale of common stock upon the completion of our initial public offering.

We believe that our existing cash, cash equivalents and investments as of March 31, 2005 will be sufficient to meet our projected operating requirements through at least December 31, 2006.

The following summarizes our long-term contractual obligations as of March 31, 2005 (in thousands):

<u>Contractual Obligations</u>	<u>Total</u>	<u>2005 to 2006</u>	<u>2007 to 2008</u>	<u>Thereafter</u>
Operating leases	\$1,802	\$1,091	\$ 711	\$ —

## **Risk Factors**

We operate in a dynamic and rapidly changing environment that involves numerous risks and uncertainties. The following section describes some, but not all, of the risks and uncertainties that may have a material adverse affect on our business, financial condition, results of operations and the market price of our common stock and could cause our actual results to differ materially from those expressed or implied in our forward-looking statements.

### **Risks Related to Our Business**

***We expect our net losses to continue for at least several years and we are unable to predict the extent of our future losses.***

We are a development stage specialty pharmaceutical company with a limited operating history. We have incurred significant net losses since our inception. For the year ended December 31, 2004, we had a net loss of \$48.3 million, including \$34.3 million of non-cash stock-based compensation charges. For the three months ended March 31, 2005, we had a net loss of \$4.8 million, including \$0.1 million of non-cash stock-based compensation charges. We expect our annual net losses to increase over the next several years as we expand and incur significant clinical development costs. These losses have reduced our stockholders' equity and, excluding the portion related to stock-based compensation, will continue to reduce our stockholders' equity and working capital.

We expect our development expenses to increase in connection with our planned clinical trials for our product candidates and any other development projects that we may initiate. In addition, we expect to incur increased general and administrative expenses as well as the increased costs to operate as a public company. Consequently, we expect to continue to incur significant and increasing operating losses for the foreseeable future.

***We do not have any products that are approved for commercial sale and therefore do not expect to generate any revenues from product sales in the foreseeable future.***

We have not received, and do not expect to receive for at least the next several years, any revenues from the commercialization of our product candidates. To date, we have not generated any product revenue and have funded our operations primarily from sales of our securities. Our only source of revenues since inception has been from development management services rendered to Asahi Kasei Pharma Corporation and Argenes Inc., both Japanese pharmaceutical companies, in connection with their clinical development of pharmaceutical product candidates. Our contract with Asahi Kasei Pharma was completed in 2004 and we do not expect to generate further revenue from that agreement. We anticipate that we will continue to receive modest revenues for rendering consulting services and that, prior to our commercialization of a product candidate, our consulting revenues together with strategic collaboration fees and out-licensing upfront and milestone payments will be our primary source of revenues. To obtain revenues from sales of our product candidates, we must succeed, either alone or with third parties, in developing, obtaining regulatory approval for, and manufacturing and marketing

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drugs with market potential. We may never succeed in these activities, and may not generate sufficient revenues to continue our business operations or achieve profitability.

***The loss of any rights to develop and market any of our product candidates would significantly impair our operating results.***

We license the rights to develop and market our product candidates. Currently, we have licensed six compounds for the development of seven product candidates. They are:

- MN-221 for premature labor licensed from Kissei Pharmaceutical;
- MN-029 for solid tumors licensed from Angiogene Pharmaceuticals;
- MN-001 for interstitial cystitis and asthma licensed from Kyorin Pharmaceutical;
- MN-305 for anxiety licensed from Mitsubishi Pharma Corporation;
- MN-166 for multiple sclerosis licensed from Kyorin Pharmaceutical; and
- MN-246 for urinary incontinence licensed from Mitsubishi Pharma Corporation.

We are obligated to develop and commercialize these product candidates in accordance with mutually agreed upon terms and conditions. Our ability to satisfy some or all of the terms and conditions of our licensing arrangements is dependent on numerous factors, including some factors that are outside of our control. Our licensing arrangements may be terminated if we materially breach our obligations under the agreements and fail to cure a breach within a specified period of time.

If any of our license agreements is terminated, then we would have no further rights to develop and commercialize the product candidate which is the subject of the license. The termination of any of our license agreements would significantly and adversely affect our business.

***In order to commercialize a therapeutic drug successfully, a product candidate must undergo clinical trials, which are long, complex and costly, manifest a high risk of failure and can be delayed or suspended.***

All of our product candidates are in clinical development, the process that is required to receive regulatory approval for commercial sale. The regulatory approval process is long, complex and costly. It may take several years to complete the clinical development necessary to commercialize a drug, and delays or failure can occur at any stage which may result in our inability to market and sell products derived from our product candidates and to generate product revenues. Of the large number of drugs in development, only a small percentage result in the submission of a new drug application to the Food and Drug Administration, or FDA, and even fewer are approved for commercialization. Interim results of clinical trials do not necessarily predict final results, and success in pre-clinical testing and early clinical trials does not ensure that later clinical trials will be successful. A number of companies in the pharmaceutical industry have suffered significant setbacks in advanced clinical trials even after promising results in earlier trials.

In connection with clinical trials, we face risks that:

- a product candidate may not prove to be efficacious;
- patients may die or suffer other adverse effects for reasons that may or may not be related to the product candidate being tested;
- the results may not confirm the positive results of earlier trials; and
- the results may not be acceptable to the FDA or other regulatory agencies.

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To date, the FDA has accepted Investigational New Drug, or IND, applications for five of our seven product candidates. We have filed Clinical Trial Authorization, or CTA, applications, the equivalent of a U.S. IND, in nine European countries to conduct a Phase II study for MN-166 in patients with multiple sclerosis. These applications are under active review. We cannot conduct human clinical trials in the United States or in Eastern Europe on our other two product candidates until an IND or CTA application is in effect and there can be no assurance that the Regulatory Authorities, including the FDA, will allow our applications to go into effect.

The commencement of clinical trials can be delayed for a variety of other reasons, including delays in:

- demonstrating sufficient safety to persuade regulatory authorities to allow a clinical trial to begin;
- reaching agreement on acceptable terms with prospective contract research organizations and clinical trial sites;
- manufacturing sufficient quantities of a product candidate;
- obtaining institutional review board approval to conduct a clinical trial at a prospective site; and
- obtaining sufficient patient enrollment, which is a function of many factors, including the size of the patient population, the nature of the protocol, the proximity of patients to clinical sites, the availability of effective treatments for the relevant disease and the eligibility criteria for the clinical trial.

Once a clinical trial has begun, it may be delayed, suspended or terminated due to a number of factors, including:

- ongoing discussions with regulatory authorities regarding the scope or design of our clinical trials or requests by them for supplemental information with respect to our clinical trial results;
- failure to conduct clinical trials in accordance with regulatory requirements;
- lower than anticipated retention rates of patients in clinical trials;
- serious adverse events or side effects experienced by participants; or
- insufficient supply or deficient quality of product candidates or other materials necessary for the conduct of our clinical trials.

Many of these factors described above may also ultimately lead to denial of regulatory approval of a current or potential product candidate. If we experience delays in our clinical trials, the commercial prospects for our product candidates will be harmed, and our ability to generate product revenues will be delayed.

***If we fail to identify and license or acquire other product candidates, we will not be able to expand our business.***

Since we have limited internal discovery capabilities, our business is substantially dependent on our ability to license or acquire clinical-stage product candidates and further develop them for commercialization. The success of this strategy depends upon our ability to identify, select and acquire the right product candidates. We have limited experience identifying, negotiating and implementing economically viable product candidate acquisitions or licenses, which is a lengthy and complex process. Also, the market for licensing and acquiring product candidates is intensely competitive and many of our competitors have greater resources than us. We may not have the requisite capital resources to consummate product candidate acquisitions or licenses that we identify to fulfill our strategy.

Moreover, product candidate acquisitions that we do complete involve numerous risks, including:

- difficulties in integrating the development program for the acquired product candidate into our existing operations;



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- diversion of financial and management resources from existing operations;
- risks of entering new markets or technologies;
- inability to generate sufficient revenues to offset acquisition costs; and
- delays that may result from us having to perform unanticipated pre-clinical trials or other tests on the product candidate.

If we are not successful in identifying and licensing or acquiring other product candidates, we will not be able to grow our revenues with sales from new products.

***If we fail to obtain the capital necessary to fund our operations, we will be unable to develop and commercialize our product candidates.***

We have consumed substantial amounts of capital since our inception. From our inception to March 31, 2005, we used \$33.8 million in cash to fund our operating activities and acquisitions of property and equipment. Although we believe our existing cash and investments will be sufficient to fund our anticipated cash requirements through 2006, we will require significant additional financing in the future to fund our operations. Our future capital requirements will depend on, and could increase significantly as a result of, many factors, including:

- progress in, and the costs of, our clinical trials;
  - the costs of securing manufacturing arrangements for clinical or commercial production;
  - the costs involved in filing, prosecuting, enforcing and defending patent claims and other intellectual property rights; and
  - the costs of establishing or contracting for sales and marketing capabilities if we obtain regulatory approval to market our product candidates.
- 
- terminate or delay clinical trials for one or more of our product candidates;
  - delay establishing sales and marketing capabilities;
  - curtail our efforts to acquire new product candidates; or
  - relinquish rights to our technologies or product candidates.

***The terms under which we raise additional capital may adversely affect our business and may significantly dilute stockholders' ownership interests.***

If we raise additional funds through collaborations or licensing arrangements with third parties, we may need to relinquish some rights to our product candidates, including commercialization rights, that may adversely affect our ability to grow our business. If we raise additional funds by issuing equity securities, stockholders may experience substantial dilution. Debt financing, if available, may involve restrictive covenants. Any debt financing or additional equity that we raise may contain terms that are not favorable to us or our stockholders.

***We will depend on strategic collaborations with third parties to develop and commercialize selected product candidates and will not have control over a number of key elements relating to the development and commercialization of these product candidates.***

A key aspect of our strategy is to enter into collaborations with third-party partners whereby we license selected product candidates to larger pharmaceutical companies that are willing to conduct later-stage clinical trials and

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further develop and commercialize those products. To date, we have not entered into any collaborative arrangements with any third-party partners and currently do not expect to do so until we have successfully completed further studies for one of our partnering program product candidates.

By entering into these strategic collaborations, we may rely on our partners for financial resources and for development, commercialization and regulatory expertise. Our partners may fail to develop or effectively commercialize products using our product candidates because they:

- do not have sufficient resources or decide not to devote the necessary resources due to internal constraints such as limited cash or human resources;
- decide to pursue a competitive potential product that has been developed outside of the collaboration; or
- cannot obtain the necessary regulatory approvals.

We may not be able to enter into collaborations on acceptable terms, if at all. We also face competition in our search for partners with whom we may collaborate.

***We rely on third parties to conduct our clinical trials and perform data collection and analysis, which may result in costs and delays that may hamper our ability to successfully develop and commercialize our product candidates.***

Although we design and manage our current clinical trials, we do not have the ability to conduct clinical trials directly for our product candidates. We will rely on contract research organizations, medical institutions, clinical investigators and contract laboratories to conduct our clinical trials and to perform data collection and analysis. In the course of clinical development, we have contracted and will continue to contract with a number of these research organizations, including, without limitation, MDS Pharma Services of Belfast, Northern Ireland; Pharmaceutical Research Associates, Inc. of Lenexa, Kansas; Fulcrum Pharma Developments, Inc. of Durham, North Carolina; and Quintiles, Inc. of Morrisville, North Carolina.

Our clinical trials may be delayed, suspended or terminated if:

- the third parties upon whom we rely do not successfully carry out their contractual duties or regulatory obligations or meet expected deadlines;
- these third parties need to be replaced; or
- the quality or accuracy of the data obtained by the third parties is compromised due to their failure to adhere to our clinical protocols or regulatory requirements or for other reasons.

Failure to perform by the third parties upon whom we rely may increase our development costs, delay our ability to obtain regulatory approval and prevent the commercialization of our product candidates. While we believe that there are numerous alternative sources to provide these services, in the event that we seek such alternative sources, we may not be able to enter into replacement arrangements without delays or additional expenditures.

***Our product candidates may not gain acceptance among physicians, patients and the medical community, thereby limiting our potential to generate revenues.***

Even if our product candidates are approved for commercial sale by the FDA or other regulatory authorities, the degree of market acceptance of any approved product candidate by physicians, healthcare professionals and third-party payors and our profitability and growth will depend on a number of factors, including:

- relative convenience and ease of administration;
- the prevalence and severity of any adverse side effects;

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- availability of alternative treatments;
- pricing and cost effectiveness, which may be subject to regulatory control;
- effectiveness of our or any of our partners' sales and marketing strategy; and
- our ability to obtain sufficient third-party insurance coverage or reimbursement.

If any product candidate that we develop does not provide a treatment regimen that is as beneficial as the current standard of care or otherwise does not provide patient benefit, that product likely will not achieve market acceptance.

***We are dependent on our management team, particularly Takashi Kiyozumi, M.D., Ph.D., a founder and our chief executive officer, and Yuichi Iwaki, M.D., Ph.D., a founder and chairman of our board of directors, and if we are unable to attract, retain and motivate these and other key management and scientific staff our drug development programs may be delayed and we may be unable to successfully develop or commercialize our product candidates.***

We are dependent upon the continued services of our executive officers and other key personnel, particularly Takashi Kiyozumi, M.D., Ph.D., one of our founders and our chief executive officer, and Yuichi Iwaki, M.D., Ph.D., one of our founders and the chairman of our board of directors, who have been instrumental in our ability to in-license product candidates from Japanese pharmaceutical companies and secure financing from Japanese institutions. The relationships that all of our key managers have cultivated with pharmaceutical companies from whom we license product candidates and to whom we expect to out-license product candidates as part of our partnering program make us particularly dependent upon their continued employment with us. We are also substantially dependent on the continued services of our existing project management personnel because of the highly technical nature of our product development programs.

As we acquire or license new product candidates, our success will depend on our ability to attract, retain and motivate highly qualified management and scientific personnel to manage the development of these new product candidates. In particular, our drug development programs depend on our ability to attract and retain highly experienced development and regulatory personnel. In addition, we will need to hire additional personnel as we continue to expand our clinical development and other development activities. We face competition for experienced scientists and other technical and professional personnel from numerous companies and academic and other research institutions. Competition for qualified personnel is particularly intense in the San Diego, California area. Our short operating history and the uncertainties attendant to being a development-stage specialty pharmaceutical company with limited capital resources could impair our ability to attract and retain personnel and impede the achievement of our development and commercialization objectives.

Although we have employment agreements with key members of management, each of our employees, subject to applicable notice requirements, may terminate his or her employment at any time. We do not carry "key person" insurance covering members of senior management. If we lose any of our key management personnel, we may not be able to find suitable replacements and our business would be harmed as a result.

***If we are unable to establish our sales and distribution capabilities, we will be unable to successfully commercialize our core product candidates.***

To date, we have not sold, marketed or distributed any pharmaceutical products. If we are successful in developing and obtaining regulatory approvals for the product candidates in our strategic core programs, we will need to establish sales, marketing and distribution capabilities. Developing an effective sales and marketing force will require a significant amount of our financial resources and time. We may be unable to establish and manage an effective sales force in a timely or cost-effective manner, if at all, and any sales force we do establish may not be capable of generating demand for our products. Although we intend to establish strategic collaborations to market the products in our strategic core programs outside the United States, if we are unable to establish such

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collaborations, we may be required to market our strategic core product candidates outside of the United States directly. In that event, we may need to build a corresponding international sales and marketing capability with technical expertise and with supporting distribution capabilities.

***We will need to increase the size of our organization, and we may encounter difficulties managing our growth, which could adversely affect our results of operations.***

We will need to expand and effectively manage our operations and facilities in order to advance our drug development programs, achieve milestones under our collaboration agreements, facilitate additional collaborations and pursue other development activities. For example, we intend to hire additional personnel in clinical development, regulatory affairs and corporate development to further strengthen our core competencies. Similarly, we are likely to hire additional management and administrative personnel to manage our business and affairs as we continue to grow. In addition, we will have to develop sales, marketing and distribution capabilities for the product candidates in our strategic core programs. The scope and timing of these hires is highly uncertain and remains subject to the success of our current product candidate development programs.

To manage our growth, we will be required to continue to improve our operational, financial and management controls, reporting systems and procedures and to attract and retain sufficient numbers of talented employees. Meeting our public reporting obligations and other regulatory requirements in the United States and Japan following our initial public offering will place additional demands on our limited resources. We may not successfully manage the expansion of our operations and, accordingly, may not achieve our development and commercialization goals.

***We expect that our results of operations will fluctuate, which may make it difficult to predict our future performance from period to period.***

Our quarterly operating results have fluctuated in the past and are likely to continue to do so in the future. Some of the factors that could cause our operating results to fluctuate from period to period include:

- the status of development of our product candidates and, particularly, the timing of any milestone payments to be paid or received by us under our licensing agreements;
- the incurrence of clinical expenses that could fluctuate significantly from period to period;
- the unpredictable effects of collaborations during these periods;
- the timing of our satisfaction of applicable regulatory requirements;
- the rate of expansion of our clinical development and other internal development efforts;
- the effect of competing technologies and products and market developments; and
- general and industry-specific economic conditions.

We believe that quarterly comparisons of our financial results are not necessarily meaningful and should not be relied upon as an indication of our future performance.

***Relying on third-party manufacturers may result in delays in our clinical trials and product introductions as well as increased costs.***

We have no manufacturing facilities, and we do not intend to develop facilities for the manufacture of product candidates for clinical trials or commercial purposes in the foreseeable future. We are contracting with third-party manufacturers to produce, in collaboration with us, our product candidates for clinical trials. While we believe that there are competitive sources available to manufacture our product candidates, we may not be able to

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enter into arrangements without delays or additional expenditures. We cannot estimate these delays or costs with certainty. To date, these manufacturers have met the requirements of our programs.

Our manufacturers will be obliged to operate in accordance with FDA-mandated current good manufacturing practices, or cGMPs. A failure of any of our contract manufacturers to establish and follow cGMPs and to document their adherence to such practices may lead to significant delays in clinical trials or in obtaining regulatory approval of product candidates or the ultimate launch of our products into the market. In addition, changing contract manufacturers is difficult. For example, doing so requires re-validation of the manufacturing processes and procedures in accordance with cGMPs, which may be costly and time-consuming. Failure by our third-party manufacturers or us to comply with applicable regulations could result in sanctions being imposed on us, including fines, injunctions, civil penalties, failure of the government to grant pre-market approval of drugs, delays, suspension or withdrawal of approvals, seizures or recalls of products, operating restrictions and criminal prosecutions.

***We may not be able to manufacture our product candidates in commercial quantities, which would prevent us from commercializing our product candidates.***

To date, our product candidates have been manufactured in small quantities for pre-clinical and clinical trials. If any of these product candidates are approved by the FDA or other regulatory agencies for commercial sale, we will need to manufacture them in larger quantities. We may not be able to successfully increase the manufacturing capacity, whether in collaboration with third-party manufacturers or on our own, for any of our product candidates in a timely or economic manner, or at all. Significant scale-up of manufacturing may require additional validation studies, which the FDA must review and approve. If we are unable to successfully increase the manufacturing capacity for a product candidate, the regulatory approval or commercial launch of that product candidate may be delayed or there may be a shortage in supply. Our product candidates will require precise, high quality manufacturing. Our failure to achieve and maintain these high manufacturing standards, including the incidence of manufacturing errors, could result in patient injury or death, product recalls or withdrawals, delays or failures in product testing or delivery, cost overruns or other problems that could result in a material adverse effect on our business, financial condition and results of operations.

***Materials necessary to manufacture our products may not be available on commercially reasonable terms, or at all, which may delay the development and commercialization of our products.***

We rely on the manufacturers for our products to purchase from third-party suppliers the materials necessary to produce the compounds for our clinical trials and for commercial distribution, if we obtain marketing approval for any of our products. Suppliers may not sell these materials to our manufacturers at the time we need them or on commercially reasonable terms. We do not have any control over the process or timing of the acquisition of these materials by our manufacturers. Moreover, we currently do not have any agreements for the production of these materials. If our manufacturers are unable to obtain these materials for our clinical trials, product testing and potential regulatory approval of our products would be delayed, significantly impacting our ability to develop the product candidate. If our manufacturers or we are unable to purchase these materials after regulatory approval has been obtained for our products, the commercial launch of our products would be delayed or there would be a shortage in supply of our products, which would materially affect our ability to generate revenues from the sale of our products.

***If our pre-IPO stockholders sell substantial amounts of our common stock, the market price of our common stock may decline.***

A significant number of shares of our common stock are held by a small number of stockholders. Sales of a significant number of shares of our common stock, for example, after the expiration of the lock-up agreements entered into by all of the stockholders owning our stock prior to our initial public offering, or the expectation that such sales may occur, could significantly reduce the market price of our common stock. The holders of our

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common stock outstanding prior to our initial public offering, representing 67,282,856 shares of common stock, and the holders of our options and warrants, representing 14,866,572 shares of common stock, have agreed with the underwriters to restrictions on sales of their shares for until August 8, 2005. After the expiration of this lock-up period and after the earlier of (i) December 31, 2005 and (ii) six months after our securities are traded on a U.S. exchange or listed on a U.S. automatic quotation system, holders of 80,139,428 shares of common stock will generally have rights to cause us to file a registration statement on their behalf pursuant to a registration rights agreement that we have entered into with these stockholders. These registration rights include demand rights, which obligate us to use our best efforts to file a registration statement with the SEC, rights to require us to register shares on a Form S-3 and “piggy back” rights on all our other registrations.

### ***Anti-takeover provisions in our charter documents and under Delaware law may make an acquisition of us more complicated and the removal and replacement of our directors and management more difficult.***

Our restated certificate of incorporation and amended and restated bylaws contain provisions that may delay or prevent a change in control, discourage bids at a premium over the market price of our common stock or adversely affect the market price of our common stock and the voting and other rights of the holders of our common stock. These provisions may also make it difficult for stockholders to remove and replace our board of directors and management. These provisions:

- establish that members of the board of directors may be removed only for cause upon the affirmative vote of stockholders owning at least a majority of our capital stock;
- authorize the issuance of “blank check” preferred stock that could be issued by our board of directors in a discriminatory fashion designed to increase the number of outstanding shares and prevent or delay a takeover attempt;
- limit who may call a special meeting of stockholders;
- establish advance notice requirements for nominations for election to the board of directors or for proposing matters that can be acted upon at stockholder meetings;
- prohibit our stockholders from making certain changes to our restated certificate of incorporation or amended and restated bylaws except with 66<sup>2/3</sup>% stockholder approval; and
- provide for a classified board of directors with staggered terms.

We also may be subject to provisions of the Delaware corporation law that, in general, prohibit any business combination with a beneficial owner of 15% or more of our common stock for three years unless the holder’s acquisition of our stock was approved in advance by our board of directors. Although we believe these provisions collectively provide for an opportunity to receive higher bids by requiring potential acquirors to negotiate with our board of directors, they would apply even if the offer may be considered beneficial by some stockholders.

These provisions may delay or prevent a third party from acquiring us. Any such delay or prevention could cause the market price of our common stock to decline.

### ***We have never paid dividends on our capital stock, and we do not anticipate paying any cash dividends in the foreseeable future.***

We have paid no cash dividends on any of our classes of capital stock to date and we currently intend to retain our future earnings, if any, to fund the development and growth of our businesses. In addition, the terms of existing or any future debts may preclude us from paying these dividends. As a result, appreciation in the market value, if any, of our common stock will be our stockholders’ sole source of gain for the foreseeable future. The market value for our common stock may not increase, and in fact, the market value may decrease substantially.

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Any increase in the market value of our common stock is uncertain and unpredictable. Stockholders should not invest in our stock if they are seeking dividend income.

### **Risks Related to Our Intellectual Property**

#### ***Our ability to compete may decline if we do not adequately protect our proprietary rights.***

To date, we have obtained licensed rights under ten issued U.S. patents and two U.S. patent applications. We also have obtained licensed rights to 64 issued and pending foreign patents corresponding to these U.S. patents. In addition to these licensed rights, we hold three U.S. patent applications relating to MN-001 and its metabolite, MN-002.

The patent protection of our product candidates and technology involves complex legal and factual questions. In general, our license agreements give us a right, but not an obligation, to enforce our patent rights. We cannot be certain that any of the patents or patent applications owned by us or our licensors related to our product candidates and technology will provide adequate protection from competing products. Our success will depend, in part, on whether we or our licensors can:

- obtain and maintain patents to protect our product candidates;
- obtain and maintain any required or desirable licenses to use certain technologies of third parties, which may be protected by patents;
- protect our trade secrets and know-how;
- operate without infringing the intellectual property and proprietary rights of others;
- enforce the issued patents under which we hold rights; and
- develop additional proprietary technologies that are patentable.

The degree of future protection for our proprietary rights is uncertain. For example:

- we might not have been the first to make the inventions covered by each of our pending patent applications;
- we might not have been the first to file patent applications for these inventions;
- others may independently develop similar or alternative technologies or duplicate any of our technologies;
- it is possible that none of our pending patent applications will result in issued patents;
- any patents under which we hold rights may not provide us with a basis for commercially viable products, may not provide us with any competitive advantages or may be challenged by third parties as not infringed, invalid, or unenforceable under U.S. or foreign laws;
- any of the issued patents under which we hold rights may not be valid or enforceable or may be circumvented successfully; or
- we may not develop additional proprietary technologies that are patentable.

Proprietary trade secrets and unpatented know-how may also prove to be very important to our future research and development activities. However, we cannot be certain that others will not develop the same or similar technologies on their own. We have taken steps, including entering into confidentiality agreements with all of our employees, consultants, outside scientific collaborators, sponsored researchers and other advisors, to protect our trade secrets and unpatented know-how and keep them secret. We also typically obtain agreements from these parties which provide that inventions conceived by the party in the course of rendering services to us will be our exclusive property. However, these agreements may not be honored and may not effectively assign intellectual

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property rights to us. Enforcing a claim that a party illegally obtained and is using our trade secrets is difficult, expensive and time consuming and the outcome is unpredictable. In addition, courts outside the United States may be less willing to protect trade secrets.

***A dispute concerning the infringement or misappropriation of our proprietary rights or the proprietary rights of others could be time consuming and costly, and an unfavorable outcome could harm our business.***

There is significant litigation in our industry regarding patent and other intellectual property rights. While we are not currently subject to any pending litigation, and are not aware of any threatened litigation, we may be exposed to future litigation by third parties based on claims that our product candidates, technologies or activities infringe the intellectual property rights of others. There are many patents relating to chemical compounds and the uses thereof. If our compounds are found to infringe any such patents, we may have to pay significant damages. A patentee could prevent us from importing, making, using or selling the patented compounds. We may need to resort to litigation to determine the scope and validity of third-party proprietary rights. Similarly, we may be subject to claims that we have inappropriately used or disclosed trade secrets or other proprietary information of third parties. If we become involved in litigation, it could consume a substantial portion of our managerial and financial resources, regardless of whether we win or lose. We may not be able to afford the costs of litigation. Any legal action against us or our collaborators could lead to:

- payment of damages, potentially treble damages, if we are found to have willfully infringed a third party's patent rights;
- injunctive or other equitable relief that may effectively block our ability to further develop, commercialize and sell our products;
- we or our collaborators having to enter into license arrangements that may not be available on commercially acceptable terms; or
- significant cost and expenses, as well as distraction of our management from our business.

As a result, we could be prevented from commercializing current or future products.

### **Risks Related to Our Industry**

***We are subject to stringent regulation of our product candidates, which could delay the development and commercialization of our products.***

We, our collaborators, and our product candidates are subject to stringent regulation by the FDA and other regulatory agencies in the United States and by comparable authorities in other countries. Our product candidates cannot be marketed in the United States until the FDA has approved the product candidates. None of our product candidates has been approved, and we may never receive FDA approval for any of our product candidates. Obtaining FDA approval typically takes many years and requires substantial resources. Even if regulatory approval is obtained, the FDA may impose significant restrictions on the indicated uses, conditions for use and labeling of such products, and post-approval studies, including additional research and development and clinical trials, may be required. These regulatory requirements may limit the size of the market for the product or result in the incurrence of additional costs. Any delay or failure in obtaining required approvals could have a material adverse effect on our ability to generate revenues from the particular product candidate.

In addition, both before and after regulatory approval, we, our partners, and our product candidates are subject to numerous FDA requirements covering, among other things, testing, manufacturing, quality control, labeling, advertising, promotion, distribution, and export. The FDA's requirements may change and additional government regulations may be promulgated that could affect us, our partners, and our product candidates. We cannot predict



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the likelihood, nature or extent of government regulation that may arise from future legislation or administrative action, either in the United States or abroad.

In order to market our products outside of the United States, we and our strategic partners and licensees must establish and comply with numerous and varying regulatory requirements of other countries regarding safety and efficacy. Approval procedures vary among countries and can involve additional product testing and additional administrative review periods. The time required to obtain approval in other countries might differ from that required to obtain FDA approval. The regulatory approval process in other countries may include all of the risks detailed above regarding FDA approval in the United States. Regulatory approval in one country does not ensure regulatory approval in another, but a failure or delay in obtaining regulatory approval in one country may negatively impact the regulatory process in others. Our product candidate may not be approved for all indications that we request, which would limit the uses of our product and adversely impact our potential royalties and product sales. Such approval may be subject to limitations on the indicated uses for which the product may be marketed or require costly, post-marketing follow-up studies.

If we fail to comply with applicable regulatory requirements in the United States and other countries, among other things, we may be subject to fines and other civil penalties, delays in approving or failure to approve a product, suspension or withdrawal of regulatory approvals, product recalls, seizure of products, operating restrictions, interruption of manufacturing or clinical trials, injunctions and criminal prosecution.

***If our competitors develop and market products that are more effective than our product candidates, they may reduce or eliminate our commercial opportunities.***

Competition in the pharmaceutical industry is intense and is expected to increase. We face competition from pharmaceutical and biotechnology companies, as well as numerous academic and research institutions and governmental agencies, both in the United States and abroad. Some of these competitors have products or are pursuing the development of drugs that target the same diseases and conditions that are the focus of our product development programs.

Our competitors could have products that are in advanced development and may succeed in developing drugs that are more effective, safer and more affordable or more easily administered than ours, or that achieve patent protection or commercialization sooner than our products. Our competitors may also develop alternative therapies that could further limit the market for any drugs that we may develop.

In many of our target disease areas, potential competitors are working to develop new compounds with different mechanisms, biologies and side effects. Many of our competitors have substantially greater capital and research and development resources, manufacturing, sales and marketing capabilities and production facilities than we do. Smaller companies also may prove to be significant competitors, particularly through proprietary research discoveries and collaboration arrangements with established pharmaceutical companies.

***Rapid technological change could make our products obsolete.***

Biopharmaceutical technologies have undergone rapid and significant change and we expect that they will continue to do so. As a result, there is significant risk that our current product candidates may be rendered obsolete or uneconomical by new discoveries before we recover any expenses incurred in connection with their development. If our product candidates are rendered obsolete by advancements in biopharmaceutical technologies, our future prospects will suffer.

***Consumers may sue us for product liability, which could result in substantial liabilities that exceed our available resources and damage our reputation.***

Developing and commercializing drug products entails significant product liability risks. Liability claims may arise from our and our partners' use of products in clinical trials and the commercial sale of those products.

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Consumers may make product liability claims directly against us and/or our collaborators, and our collaborators or others selling these products may seek contribution from us if they incur any loss or expenses related to such claims. We currently have insurance that covers our clinical trials. We believe our current insurance coverage is reasonably adequate at this time. We will, however, need to increase and expand this coverage as we commence additional clinical trials, as well as larger scale trials, and if our product candidates are approved for commercial sale. This insurance may be prohibitively expensive or may not fully cover our potential liabilities. Inability to obtain sufficient insurance coverage at an acceptable cost or otherwise to protect against potential product liability claims could prevent or inhibit the commercialization of products that we or one of our partners develop. Product liability claims could have a material adverse effect on our business and results of operations. Liability from such claims could exceed our total assets if we do not prevail in any lawsuit brought by a third party alleging that an injury was caused by one or more of our drug products.

### ***Health care reform measures could adversely affect our business.***

The business and financial condition of pharmaceutical and biotechnology companies are affected by the efforts of governmental and third-party payors to contain or reduce the costs of health care. In the United States and in foreign jurisdictions there have been, and we expect that there will continue to be, a number of legislative and regulatory proposals aimed at changing the health care system. For example, in some countries other than the United States, pricing of prescription drugs is subject to government control, and we expect proposals to implement similar controls in the United States to continue. Another example of proposed reform that could affect our business is the current discussion of drug reimportation into the United States. In 2000, Congress directed the FDA to adopt regulations allowing the reimportation of approved drugs originally manufactured in the United States back into the United States from other countries where the drugs were sold at lower prices. Although the Secretary of Health and Human Services has refused to implement this directive, in July 2003, the House of Representatives passed a similar bill that does not require the Secretary of Health and Human Services to act. The reimportation bills have not yet resulted in any new laws or regulations; however, these and other initiatives could decrease the price we or any potential collaborators receive for our product candidates once they are approved for sale, adversely affecting our future revenue growth and potential profitability. Moreover, the pendency or approval of such proposals could result in a decrease in our stock price or our ability to raise capital or to obtain strategic partnerships or licenses.

### **ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK**

Our exposure to market risk due to changes in interest rates relates primarily to the increase or decrease in the amount of interest income we can earn on our investment portfolio. Our risk associated with fluctuating interest rates is limited to our investments in interest rate sensitive financial instruments. Under our current policies, we do not use interest rate derivative instruments to manage exposure to interest rate changes. We attempt to increase the safety and preservation of our invested principal funds by limiting default risk, market risk and reinvestment risk. We mitigate default risk by investing in investment grade securities. A hypothetical 100 basis point adverse move in interest rates along the entire interest rate yield curve would not materially affect the fair value of our interest sensitive financial instruments. Changes in interest rates over time will increase or decrease our interest income.

### **ITEM 4. CONTROLS AND PROCEDURES**

We maintain disclosure controls and procedures that are designed to ensure that information required to be disclosed in our reports pursuant to the Securities Exchange Act of 1934, as amended (the "Exchange Act"), is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms and that such information is accumulated and communicated to our management, including our chief executive officer and chief financial officer, as appropriate, to allow for timely decisions regarding required disclosure. In designing and evaluating the disclosure controls and procedures, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only

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reasonable assurance of achieving the desired control objectives, and management is required to apply its judgment in evaluating the cost-benefit relationship of possible controls and procedures.

As required by Rule 13a-15(b) of the Exchange Act, we carried out an evaluation, under the supervision and with the participation of our management, including our chief executive officer, of the effectiveness of the design and operation of our disclosure controls and procedures as of the end of the quarter covered by this report. Based on the foregoing, our chief executive officer concluded that our disclosure controls and procedures were effective at the reasonable assurance level.

There has been no change in our internal controls over financial reporting during our most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, our internal controls over financial reporting.

## **PART II. OTHER INFORMATION**

### **ITEM 1. LEGAL PROCEEDINGS.**

None.

### **ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS.**

We effected the initial public offering of our common stock pursuant to a Registration Statement on Form S-1 (File No. 333-119433) that was declared effective by the Securities and Exchange Commission on January 28, 2005. On February 8, 2005, 30,000,000 shares of common stock were offered and sold on our behalf at an initial public offering price of \$3.88 (or 400 Japanese Yen) per share, for an aggregate offering price of \$116.4 million, which offering was managed by Daiwa Securities SMBC. On March 8, 2005, 1,573,000 shares of common stock were sold to Daiwa Securities SMBC pursuant to the partial exercise of an over-allotment option at \$3.53 (or 370 Japanese Yen) per share, for an aggregate price of \$5.6 million. The offering subsequently terminated. Such termination occurred prior to the sale of all securities registered.

We paid to the underwriters underwriting discounts and commissions totaling approximately \$8.7 million in connection with the offering. In addition, we estimate that we incurred expenses of approximately \$3.3 million in connection with the offering, which when added to the underwriting discounts and commissions paid by us, amounts to total estimated expenses of approximately \$12.0 million. Thus, the net offering proceeds to us, after deducting underwriting discounts and commissions and estimated offering expenses, were approximately \$110.0 million. No offering expenses were paid directly or indirectly to any of our directors or officers (or their associates) or persons owning ten percent or more of any class of our equity securities or to any other affiliates.

As of March 31, 2005, we had used approximately \$2.9 million of the net proceeds from our initial public offering to fund our operations, including development of both our strategic core and partnering programs and payment of \$40,000 in consulting fees to our Chairman of the Board, Dr. Yuichi Iwaki. In addition, we had used \$0.2 million for acquisitions of property and equipment. Other than the consulting fees paid to Dr. Iwaki, no proceeds were paid directly to any of our directors or officers (or their associates) or persons owning ten percent or more of any class of our equity securities or to any other affiliates. We expect to use a majority of the remainder of the net proceeds from our initial public offering to continue the development of both our strategic core and partnering programs and to acquire and develop additional product candidates. In addition, we may use a portion of the net proceeds from our initial public offering to acquire technologies or businesses that are complementary to our own, but we currently have no commitments or agreements relating to any of these types of transactions.

We cannot specify with certainty all of the particular uses for the net proceeds received from our initial public offering. The amount and timing of our expenditures will depend on several factors, including the progress of our development efforts and the amount of cash used in our operations. Accordingly, our management will have

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broad discretion in the continued application of the net proceeds. Pending the uses described above, we plan to invest the net proceeds from our initial public offering in short-term, investment-grade, interest-bearing instruments.

### **ITEM 3. DEFAULTS UPON SENIOR SECURITIES.**

None.

### **ITEM 4. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS.**

None.

### **ITEM 5. OTHER INFORMATION.**

Effective May 2, 2005, we promoted Brian Anderson from Executive Vice President, Corporate Development to Chief Business Officer and promoted Richard E. Gammans from Executive Vice President, Clinical Research to Chief Development Officer. In addition, effective May 2, 2005, the employment of Mark Lotz, Vice President, Regulatory Affairs was terminated.

### **ITEM 6. EXHIBITS**

<b>Exhibit Number</b>	<b>Description</b>
3.1(1)	Restated Certificate of Incorporation.
3.2(1)	Amended and Restated Bylaws.
4.1(1)	Amended and Restated Registration Rights Agreement by and among the Company, its founders and the investors named therein, dated September 2, 2004.
4.2(1)	Amended and Restated Stock Purchase Warrant held by Takashi Kiyozumi, dated September 2, 2004.
4.3(1)	Amended and Restated Stock Purchase Warrant held by Yuichi Iwaki, dated September 2, 2004.
10.1	Second Amendment to Office Lease Agreement between the Registrant and CA-La Jolla II Limited Partnership, dated March 21, 2005.
31.1	Certification of Chief Executive Officer and Principal Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1	Certification of Chief Executive Officer and Principal Financial Officer pursuant to 18 U.S.C. Section 1350 (Section 906 of the Sarbanes-Oxley Act of 2002).

- (1) Incorporated by reference to the Registration Statement on Form S-1 (File No. 333-119433) originally filed with the Securities and Exchange Commission on October 1, 2004, as amended thereafter.

## SIGNATURES

Pursuant to the requirements of the Securities and Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

MEDICINOVA, INC.

Date: May 11, 2005

By: /s/ Takashi Kiyozumi

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Takashi Kiyozumi, M.D., Ph.D. Chief Executive Officer (on behalf of the registrant and as the registrant's Principal Executive Officer and Principal Financial and Accounting Officer)

## INDEX TO EXHIBITS

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## SECOND AMENDMENT

**THIS SECOND AMENDMENT** (the “**Amendment**”) is made and entered into as of March 21, 2005, by and between **CA-LA JOLLA II LIMITED PARTNERSHIP, a Delaware limited partnership** (“**Landlord**”) and **MEDICINOVA, INC., a Delaware corporation** (“**Tenant**”).

## RECITALS

- A. Landlord and Tenant are parties to that certain lease dated January 28, 2004, which lease has been previously amended by First Amendment dated August 10, 2004 (“**First Amendment**”) (collectively, the “**Lease**”). Pursuant to the Lease, Landlord has leased to Tenant space currently containing approximately **11,367** rentable square feet (the “**Original Premises**”) described as Suite Nos. 900 and 950 on the 9<sup>th</sup> floor of the building commonly known as Smith Barney Tower located at 4350 La Jolla Village Drive, San Diego, California (the “**Building**”).
- B. Tenant has requested that additional space containing approximately **5,242** rentable square feet consisting of (i) 2,418 rentable square feet described as Suite No. 970 (the “**Suite 970 Expansion Space**”) and (ii) 2,824 rentable square feet described as Suite No. 960 (the “**Suite 960 Expansion Space**”) on the 9<sup>th</sup> floor of the Building shown on **Exhibit A and Exhibit A-1** hereto be added to the Original Premises and that the Lease be appropriately amended and Landlord is willing to do the same on the following terms and conditions. For purposes of this Amendment, the Suite 970 Expansion Space and the Suite 960 Expansion Space may collectively be referred to as the “**Expansion Spaces**”.

**NOW, THEREFORE**, in consideration of the above recitals which by this reference are incorporated herein, the mutual covenants and conditions contained herein and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Landlord and Tenant agree as follows:

1. **Suite 970 Expansion and Effective Date.**

- 1.01. Effective as of the Suite 970 Expansion Effective Date (defined below), the Premises, as defined in the Lease, is increased from 11,367 rentable square feet on the 9<sup>th</sup> floor to **13,785** rentable square feet on the 9<sup>th</sup> floor by the addition of the Suite 970 Expansion Space, and from and after the Suite 970 Expansion Effective Date, the Original Premises and the Suite 970 Expansion Space, collectively, shall be deemed the Premises, as defined in the Lease. The Term for the Suite 970 Expansion Space shall commence on the Suite 970 Expansion Effective Date and end on the Extended Termination Date (i.e., February 29, 2008). The Suite 970 Expansion Space is subject to all the terms and conditions of the Lease except as expressly modified herein and except that Tenant shall not be entitled to receive any allowances, abatements or other financial concessions granted with respect to the Original Premises unless such concessions are expressly provided for herein with respect to the Suite 970 Expansion Space.
- 1.02. The “**Suite 970 Expansion Effective Date**” shall be the later to occur of (i) April 8, 2005 (“**Target Suite 970 Expansion Effective Date**”), or (ii) the date upon which the Landlord Work (as defined in the Work Letter attached as **Exhibit B** hereto) in the Suite 970 Expansion Space has been substantially completed; provided, however, that if Landlord shall be delayed in substantially completing the Landlord Work in the Suite 970 Expansion Space as a result of the occurrence of a Tenant Delay (defined below), then, for purposes of determining the Suite 970 Expansion Effective Date, the date of substantial completion shall be deemed to be the day that said Landlord Work would have been substantially completed absent any such Tenant Delay(s). A “**Tenant Delay**” means any act or omission of Tenant or its agents, employees, vendors or contractors that actually delays substantial completion of the Landlord Work, including, without limitation, the following:
- a. Tenant’s failure to furnish information or approvals within any time period specified in the Lease or this Amendment, including the failure to prepare or approve preliminary or final plans by any applicable due date;

- b. Tenant's selection of equipment or materials that have long lead times after first being informed by Landlord that the selection may result in a delay;
- c. Changes requested or made by Tenant to previously approved plans and specifications;
- d. The performance of work in the Suite 970 Expansion Space by Tenant or Tenant's contractor(s) during the performance of the Landlord Work; or
- e. If the performance of any portion of the Landlord Work depends on the prior or simultaneous performance of work by Tenant, a delay by Tenant or Tenant's contractor(s) in the completion of such work.
- f. Tenant has not executed this Amendment and returned the same to Landlord for counter-execution by Monday March 14, 2005.

The Suite 970 Expansion Space shall be deemed to be substantially completed on the date that Landlord reasonably determines that all Landlord Work has been performed (or would have been performed absent any Tenant Delays), other than any details of construction, mechanical adjustment or any other matter, the noncompletion of which does not materially interfere with Tenant's use of the Suite 970 Expansion Space. The adjustment of the Suite 970 Expansion Effective Date and, accordingly, the postponement of Tenant's obligation to pay Rent on the Suite 970 Expansion Space shall be Tenant's sole remedy and shall constitute full settlement of all claims that Tenant might otherwise have against Landlord by reason of the Suite 970 Expansion Space not being ready for occupancy by Tenant on the Target Suite 970 Expansion Effective Date.

- 1.03. In addition to the postponement, if any, of the Suite 970 Expansion Effective Date as a result of the applicability of Section 1.02. of this Amendment, the Suite 970 Expansion Effective Date shall be delayed to the extent that Landlord fails to deliver possession of the Suite 970 Expansion Space for any other reason (other than Tenant Delays by Tenant). Any such delay in the Suite 970 Expansion Effective Date shall not subject Landlord to any liability for any loss or damage resulting therefrom. If the Suite 970 Expansion Effective Date is delayed, the Extended Termination Date under the Lease shall not be similarly extended.

2. **Suite 960 Expansion and Effective Date.**

- 2.01. Effective as of the Suite 960 Expansion Effective Date (defined below), the Premises, as defined in the Lease, is increased from 13,785 rentable square feet on the 9<sup>th</sup> floor to **16,609** rentable square feet on the 9<sup>th</sup> floor by the addition of the Suite 960 Expansion Space, and from and after the Suite 960 Expansion Effective Date, the Original Premises, the Suite 970 Expansion Space and the Suite 960 Expansion Space, collectively, shall be deemed the Premises, as defined in the Lease. The Term for the Suite 960 Expansion Space shall commence on the Suite 960 Expansion Effective Date and end on the Extended Termination Date (i.e., February 29, 2008). The Suite 960 Expansion Space is subject to all the terms and conditions of the Lease except as expressly modified herein and except that Tenant shall not be entitled to receive any allowances, abatements or other financial concessions granted with respect to the Original Premises unless such concessions are expressly provided for herein with respect to the Suite 960 Expansion Space.
- 2.02. The "**Suite 960 Expansion Effective Date**" shall be the later to occur of (i) May 8, 2005 ("**Target Suite 960 Expansion Effective Date**"), or (ii) the date upon which the Landlord Work (as defined in the Work Letter attached as **Exhibit B** hereto) in the Suite 960 Expansion Space has been substantially completed; provided, however, that if Landlord shall be delayed in substantially completing the Landlord Work in the Suite 960 Expansion Space as a result of the occurrence of a Tenant Delay, then, for purposes of determining the Suite 960 Expansion Effective Date, the date of substantial completion shall be deemed to be the day that said Landlord Work would have been substantially completed absent any such Tenant Delay(s) (as defined in Section 1.02 above).

The Suite 960 Expansion Space shall be deemed to be substantially completed on the date that Landlord reasonably determines that all Landlord Work has been performed (or would have been performed absent any Tenant Delays), other than any details of construction, mechanical adjustment or any other matter, the noncompletion of which does not materially interfere with Tenant's use of the Suite 960 Expansion Space. The adjustment of the Suite 960 Expansion Effective Date and, accordingly, the postponement of Tenant's obligation to pay Rent on the Suite 960 Expansion Space shall be Tenant's sole remedy and shall constitute full settlement of all claims that Tenant might otherwise have against Landlord by reason of the Suite 960 Expansion Space not being ready for occupancy by Tenant on the Target Suite 960 Expansion Effective Date.

2.03. In addition to the postponement, if any, of the Suite 960 Expansion Effective Date as a result of the applicability of Section 2.02. of this Amendment, the Suite 960 Expansion Effective Date shall be delayed to the extent that Landlord fails to deliver possession of the Suite 960 Expansion Space for any other reason (other than Tenant Delays by Tenant). Any such delay in the Suite 960 Expansion Effective Date shall not subject Landlord to any liability for any loss or damage resulting therefrom. If the Suite 960 Expansion Effective Date is delayed, the Extended Termination Date under the Lease shall not be similarly extended.

3. **Base Rent.**

3.01. **Suite 970 Expansion Space.** In addition to Tenant's obligation to pay Base Rent for the Original Premises, Tenant shall pay Landlord Base Rent for the Suite 970 Expansion Space as follows:

<u>Period</u>	<u>Annual Rate Per Square Foot</u>	<u>Monthly Base Rent</u>
April 8, 2005 – April 30, 2005	\$37.20	\$5,746.78 (i.e. \$249.86 per diem x 23 days)
May 1, 2005 – February 7, 2006	\$37.20	\$7,495.80
February 8, 2006 – February 7, 2007	\$38.40	\$7,737.60
February 8, 2007 – February 29, 2008	\$39.60	\$7,979.40

All such Base Rent shall be payable by Tenant in accordance with the terms of the Lease.

Landlord and Tenant acknowledge that the foregoing schedule is based on the assumption that the Suite 970 Expansion Effective Date is the Target Suite 970 Expansion Effective Date. If the Suite 970 Expansion Effective Date is other than the Target Suite 970 Expansion Effective Date, the schedule set forth above with respect to the payment of any installment(s) of Base Rent for the Suite 970 Expansion Space shall be appropriately adjusted on a per diem basis to reflect the actual Suite 970 Expansion Effective Date, and the actual Suite 970 Expansion Effective Date shall be set forth in a confirmation letter to be prepared by Landlord. However, the effective date of any increases or decreases in the Base Rent rate shall not be postponed as a result of an adjustment of the Suite 970 Expansion Effective Date as provided above.



3.02. **Suite 960 Expansion Space.** In addition to Tenant's obligation to pay Base Rent for the Original Premises and the Suite 970 Expansion Space, Tenant shall pay Landlord Base Rent for the Suite 960 Expansion Space as follows:

<u>Period</u>	<u>Annual Rate Per Square Foot</u>	<u>Monthly Base Rent</u>
May 8, 2005 – February 7, 2006	\$37.20	\$8,754.40
February 8, 2006 – February 7, 2007	\$38.40	\$9,036.80
February 8, 2007 – February 29, 2008	\$39.60	\$9,319.20

All such Base Rent shall be payable by Tenant in accordance with the terms of the Lease.

Landlord and Tenant acknowledge that the foregoing schedule is based on the assumption that the Suite 960 Expansion Effective Date is the Target Suite 960 Expansion Effective Date. If the Suite 960 Expansion Effective Date is other than the Target Suite 960 Expansion Effective Date, the schedule set forth above with respect to the payment of any installment(s) of Base Rent for the Suite 960 Expansion Space shall be appropriately adjusted on a per diem basis to reflect the actual Suite 960 Expansion Effective Date, and the actual Suite 960 Expansion Effective Date shall be set forth in a confirmation letter to be prepared by Landlord. However, the effective date of any increases or decreases in the Base Rent rate shall not be postponed as a result of an adjustment of the Suite 960 Expansion Effective Date as provided above

4. **Additional Security Deposit.** Upon Tenant's execution hereof, Tenant shall pay Landlord the sum of \$17,298.60 which is added to and becomes part of the Security Deposit held by Landlord as provided under Section 1.08 of the Lease and Section 4 of the First Amendment as security for payment of Rent and the performance of the other terms and conditions of the Lease by Tenant. Accordingly, simultaneous with the execution hereof, the Security Deposit is increased from \$72,365.40 to **\$89,664.00**.

5. **Tenant's Pro Rata Share.**

5.01. **Suite 970 Expansion Space.** For the period commencing with the Suite 970 Expansion Effective Date and ending on the Extended Termination Date, Tenant's Pro Rata Share for the Suite 970 Expansion Space is **1.2862%**.

5.02. **Suite 960 Expansion Space.** For the period commencing with the Suite 960 Expansion Effective Date and ending on the Extended Termination Date, Tenant's Pro Rata Share for the Suite 960 Expansion Space is **1.5021%**.

6. **Expenses and Taxes.**

6.01. **Suite 970 Expansion Space.** For the period commencing with the Suite 970 Expansion Effective Date and ending on the Extended Termination Date, Tenant shall pay for Tenant's Pro Rata Share of Expenses and Taxes applicable to the Suite 970 Expansion Space in accordance with the terms of the Lease, provided, however, during such period, the Base Year for the computation of Tenant's Pro Rata Share of Expenses and Taxes applicable to the Suite 970 Expansion Space is 2005.

6.02. **Suite 960 Expansion Space.** For the period commencing with the Suite 960 Expansion Effective Date and ending on the Extended Termination Date, Tenant shall pay for Tenant's Pro Rata Share of Expenses and Taxes applicable to the Suite 960 Expansion Space in accordance with the terms of the Lease, provided, however, during such period, the Base Year for the computation of Tenant's Pro Rata Share of Expenses and Taxes applicable to the Suite 960 Expansion Space is 2005.

7. **Improvements to Expansion Spaces.**

7.01. **Condition of Expansion Spaces.** Tenant has inspected the Expansion Spaces and, subject to Section 7.02, agrees to accept the same "as is" without any

agreements, representations, understandings or obligations on the part of Landlord to perform any alterations, repairs or improvements.

7.02. **Responsibility for Improvements to Expansion Spaces.** Landlord shall perform improvements to the Expansion Spaces in accordance with the Work Letter attached hereto as **Exhibit B**.

8. **Early Access to Expansion Spaces.** Tenant is permitted to take possession of the Expansion Spaces upon the full and final execution of this Amendment by Landlord and Tenant. Such possession shall be subject to the terms and conditions of the Lease and this Amendment and, except for the cost of services requested by Tenant (e.g. freight elevator usage), Tenant shall not be required to pay Rent for the Expansion Spaces for any days of possession before the respective effective dates. Landlord may withdraw such permission to enter the Expansion Spaces at any time that Landlord reasonably determines that such entry by Tenant is causing a dangerous situation for Landlord, Tenant or their respective contractors or employees, or if Landlord reasonably determines that such entry by Tenant is hampering or otherwise preventing Landlord from proceeding with the completion of Landlord's Work at the earliest possible date.

9. **Other Pertinent Provisions.** Landlord and Tenant agree that, effective as of the date of this Amendment (unless different effective date(s) is/are specifically referenced in this Section), the Lease shall be amended in the following additional respects:

9.01. **Parking.** For the period commencing with the Suite 970 Expansion Effective Date and ending on the Extended Termination Date and pursuant to the terms and conditions set forth in Exhibit G, "Parking Agreement" of the Lease, Landlord hereby grants to Tenant the right to lease 17 additional unreserved parking spaces (the "**Additional Spaces**") in the Parking Facility. The initial charge for such Additional Spaces is \$50.00 per unreserved parking space, per month, subject to change from time to time. No deductions from the monthly charge shall be made for days on which the Parking Facility is not used by Tenant. Except as modified herein, the use of the Additional Spaces shall be subject to the terms of the Lease

9.02. **Relocation.** Landlord shall not relocate Tenant at any time during the Extended Term (as defined in the First Amendment) from the Premises (i.e. the Original Premises, the Suite 970 Expansion Space and the Suite 960 Expansion Space); provided, however, Landlord may have the right to relocate Tenant to space of reasonably comparable size and utility ("**Relocation Space**") if Heller, Ehrman, White & McCaulife (or its successors) ("**Heller**") or Smith Barney (or its successors) ("**Smith Barney**") elect to expand (whether by option or otherwise) into all or a portion of the Premises. In the event Heller or Smith Barney elect to expand into all or a portion of the Premises and Landlord elects to relocate Tenant during the Extended Term, the Base Rent and Tenant's Pro Rata Share shall be adjusted based on the rentable square footage of the Relocation Space from and after the date of the relocation. Landlord shall pay Tenant's reasonable costs of relocation in accordance with the terms and conditions outlined in Section 21 of the Lease.

9.03. **Renewal Option.** Effective as of the Suite 970 Expansion Effective Date, the Renewal Option as set forth in Exhibit F of the Lease shall be applicable to the Suite 970 Expansion Space. Effective as of the Suite 960 Expansion Effective Date, the Renewal Option as set forth in Exhibit F of the Lease shall be applicable to the Suite 960 Expansion Space.

**9.04. Right of First Offer.**

A. **Grant of Option; Conditions.** Tenant shall have the one time right of first offer (the "Right of First Offer") with respect to the **1,929** rentable square feet known as Suite No. 980 on the 9<sup>th</sup> floor of the Building shown on the demising plan attached hereto as **Exhibit A-2** (the "Offering Space"). Tenant's Right of First Offer shall be exercised as follows: at any time after Landlord has determined that (i) the existing tenant in the Offering Space will not extend or renew the term of its lease, or enter into a new lease for the Offering Space and (ii) the Expansion Tenants (defined in Section 9.04.E below) will not exercise their expansion rights to lease the Offering Space (but prior to leasing such Offering Space to a third party

or the existing tenant), Landlord shall advise Tenant (the "Advice") of the terms under which Landlord is prepared to lease the Offering Space to Tenant for the remainder of the Term, which terms shall reflect the Prevailing Market (hereinafter defined) rate for such Offering Space as reasonably determined by Landlord. Tenant may elect to lease such Offering Space in its entirety only, under such terms, by delivering written notice of exercise to Landlord (the "Notice of Exercise") within 5 days after receiving the Advice. Tenant shall have no such Right of First Offer and Landlord need not provide Tenant with an Advice, if:

1. Tenant is in default under the Lease beyond any applicable cure periods at the time that Landlord would otherwise deliver the Advice; or
2. the Premises, or any portion thereof, is sublet (other than pursuant to a Permitted Transfer, as defined in Section 11 of the Lease) at the time Landlord would otherwise deliver the Advice; or
3. the Lease has been assigned (other than pursuant to a Permitted Transfer, as defined in Section 11 of the Lease) prior to the date Landlord would otherwise deliver the Advice; or
4. Tenant is not occupying the Premises on the date Landlord would otherwise deliver the Advice; or

Notwithstanding the foregoing, if Tenant is in violation of one of the conditions stated above, Landlord shall provide Tenant reasonable notice of such violation in lieu of providing the Advice.

B. Terms for Offering Space.

1. The term for the Offering Space shall commence upon the effective date set forth in the Offering Amendment (defined below) and thereupon such Offering Space shall be considered a part of the Premises, provided that all of the terms stated in the Advice shall govern Tenant's leasing of the Offering Space and only to the extent that they do not conflict with the Advice, the terms and conditions of this Lease shall apply to the Offering Space.
2. Tenant shall pay Base Rent and Additional Rent for the Offering Space in accordance with the terms and conditions of the Offering Amendment, which terms and conditions shall reflect the Prevailing Market rate for the Offering Space as determined in Landlord's reasonable judgment.
3. The Offering Space (including improvements and personalty, if any) shall be accepted by Tenant in its condition and as-built configuration existing on the earlier of the date Tenant takes possession of the Offering Space or as of the date the term for such Offering Space commences, unless the Offering Amendment specifies any work to be performed by Landlord in the Offering Space, in which case Landlord shall perform such work in the Offering Space. If Landlord is delayed delivering possession of the Offering Space due to the holdover or unlawful possession of the Offering Space by any party, Landlord shall use reasonable efforts to obtain possession of the space, and the commencement of the term for the Offering Space shall be postponed, as will be described in the Offering Amendment, until the date Landlord delivers possession of the Offering Space to Tenant free from occupancy by any party.

C. Termination of Right of First Offer. The rights of Tenant hereunder with respect to the Offering Space shall terminate on the earlier to occur of: (i) Tenant's failure to exercise its Right of First Offer within the 5 day period provided in Section 9.04.A above; and (ii) the date Landlord would have provided Tenant an Advice if Tenant had not been in violation of one or more of the conditions set forth in Section A above. In addition, if

Landlord provides Tenant with an Advice for any portion of the Offering Space and Tenant does not exercise its Right of First Offer to lease the Offering Space described in the Advice, Tenant's Right of First Offer with respect to the "Encumbered Offering Space" (i.e., other portion(s) of the Offering Space subject to expansion rights) shall be terminated.

- D. Offering Amendment. If Tenant exercises its Right of First Offer, Landlord shall prepare an amendment (the "Offering Amendment") adding the Offering Space to the Premises on the terms set forth in the Advice and reflecting the changes in the Base Rent, Rentable Square Footage of the Premises, Tenant's Pro Rata Share and other appropriate terms. A copy of the Offering Amendment shall be sent to Tenant within a reasonable time after Landlord's receipt of the Notice of Exercise executed by Tenant, and Tenant shall review and provide comment to Landlord within a reasonable time frame, but no longer than 10 days. Tenant shall execute and return the mutually agreed upon Offering Amendment to Landlord within 15 days of receipt from Landlord.
- E. Definition of Prevailing Market. For purposes of this Right of First Offer provision, "Prevailing Market" shall mean the annual rental rate per square foot for space comparable to the Offering Space in the Building and office buildings comparable to the Building in the vicinity of the Building under leases and renewal and expansion amendments being entered into at or about the time that Prevailing Market is being determined, giving appropriate consideration to tenant concessions, brokerage commissions, tenant improvement allowances, existing improvements in the space in question, and the method of allocating operating expenses and taxes. Notwithstanding the foregoing, space leased under any of the following circumstances shall not be considered to be comparable for purposes hereof: (i) the lease term is for less than the lease term of the Offering Space, (ii) the space is encumbered by the option rights of another tenant, or (iii) the space has a lack of windows and/or an awkward or unusual shape or configuration. The foregoing is not intended to be an exclusive list of space that will not be considered to be comparable.
- F. Subordination. Notwithstanding anything herein to the contrary, Tenant's Right of First Offer is subject and subordinate to the expansion rights (whether such rights are designated as a right of first offer, right of first refusal, expansion option or otherwise) of any tenant of the Building (including Heller and Smith Barney) existing on the date hereof (collectively, the "Expansion Tenants").

10. **Miscellaneous.**

- 10.01. This Amendment and the attached exhibits, which are hereby incorporated into and made a part of this Amendment, set forth the entire agreement between the parties with respect to the matters set forth herein. There have been no additional oral or written representations or agreements. Under no circumstances shall Tenant be entitled to any Rent abatement, improvement allowance, leasehold improvements, or other work to the Premises, or any similar economic incentives that may have been provided Tenant in connection with entering into the Lease, unless specifically set forth in this Amendment. Tenant agrees that neither Tenant nor its agents or any other parties acting on behalf of Tenant shall disclose any matters set forth in this Amendment or disseminate or distribute any information concerning the terms, details or conditions hereof to any person, firm or entity without obtaining the express written consent of Landlord.
- 10.02. Except as herein modified or amended, the provisions, conditions and terms of the Lease shall remain unchanged and in full force and effect.
- 10.03. In the case of any inconsistency between the provisions of the Lease and this Amendment, the provisions of this Amendment shall govern and control.
- 10.04. Submission of this Amendment by Landlord is not an offer to enter into this Amendment but rather is a solicitation for such an offer by Tenant. Landlord shall

not be bound by this Amendment until Landlord has executed and delivered the same to Tenant.

- 10.05. The capitalized terms used in this Amendment shall have the same definitions as set forth in the Lease to the extent that such capitalized terms are defined therein and not redefined in this Amendment.
- 10.06. Tenant hereby represents to Landlord that Tenant has dealt with no broker other than Staubach Company in connection with this Amendment. Tenant agrees to indemnify and hold Landlord, its trustees, members, principals, beneficiaries, partners, officers, directors, employees, mortgagee(s) and agents, and the respective principals and members of any such agents (collectively, the “**Landlord Related Parties**”) harmless from all claims of any brokers other than Staubach Company claiming to have represented Tenant in connection with this Amendment. Landlord hereby represents to Tenant that Landlord has dealt with no broker in connection with this Amendment. Landlord agrees to indemnify and hold Tenant, its trustees, members, principals, beneficiaries, partners, officers, directors, employees, and agents, and the respective principals and members of any such agents (collectively, the “**Tenant Related Parties**”) harmless from all claims of any brokers claiming to have represented Landlord in connection with this Amendment.

Equity Office Properties Management Corp. (“**EOPMC**”) is an affiliate of Landlord and represents only the Landlord in this transaction. Any assistance rendered by any agent or employee of EOPMC in connection with this Lease or any subsequent amendment or modification hereto has been or will be made as an accommodation to Tenant solely in furtherance of consummating the transaction on behalf of Landlord, and not as agent for Tenant.

- 10.07. Each signatory of this Amendment represents hereby that he or she has the authority to execute and deliver the same on behalf of the party hereto for which such signatory is acting.

**[SIGNATURES ARE ON FOLLOWING PAGE]**

**IN WITNESS WHEREOF**, Landlord and Tenant have duly executed this Amendment as of the day and year first above written.

**LANDLORD:**

**CA-LA JOLLA II LIMITED PARTNERSHIP, a Delaware limited partnership**

By: EOM GP, L.L.C., a Delaware limited liability company, its general partner

By: Equity Office Management, L.L.C., a Delaware limited liability company, its non-member manager

By: /s/ Robert E. Dezzutti

Name: Robert E. Dezzutti

Title: Senior Vice President

**TENANT:**

**MEDICINOVA, INC., a Delaware corporation**

By: /s/ Takashi Kiyozumi

Name: Takashi Kiyozumi

Title: President and CEO

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**EXHIBIT A**

**OUTLINE AND LOCATION OF SUITE 970 EXPANSION SPACE**

[drawing omitted]

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**EXHIBIT A-1**

**OUTLINE AND LOCATION OF SUITE 960 EXPANSION SPACE**

[drawing omitted]



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EXHIBIT A-2

**OUTLINE AND LOCATION OF OFFERING SPACE**

[drawing omitted]

## EXHIBIT B

### WORK LETTER

This Exhibit is attached to and made a part of the Amendment by and between **CA-LA JOLLA II LIMITED PARTNERSHIP, a Delaware limited partnership** ("Landlord") and **MEDICINOVA, INC., a Delaware corporation** ("Tenant") for space in the Building commonly known as Smith Barney Tower located at 4350 La Jolla Village Drive, San Diego, California.

As used in this Work Letter, the "**Premises**" shall be deemed to mean the Expansion Spaces, as defined in the attached Amendment.

1. Landlord, at its sole cost and expense (subject to the terms and provisions of Section 2 below) shall perform improvements to the Premises in accordance with the following work list (the "**Worklist**") using Building standard methods, materials and finishes. The improvements to be performed in accordance with the Worklist are hereinafter referred to as the "**Landlord Work**". Landlord shall enter into a direct contract for the Landlord Work with a general contractor selected by Landlord. In addition, Landlord shall have the right to select and/or approve of any subcontractors used in connection with the Landlord Work.

### **WORK LIST**

- Landlord to install Building standard carpet upon all previously carpeted areas of the Expansion Spaces in a color that most closely matches the carpet in Suite 950.
  - Landlord to touch up painted areas of the Suite 970 Expansion Space if paint is damaged during carpet installation.
  - Landlord to re-paint all painted wall areas within the Suite 960 Expansion Space using 1 coat of Building standard paint in a color that closely matches the paint in Suite 950.
  - Landlord to create a cut-out opening in the wall between Suite 950 and the Suite 960 Expansion Space using Building standard methods and finishes.
2. All other work and upgrades, subject to Landlord's approval, shall be at Tenant's sole cost and expense, plus any applicable state sales or use tax thereon, payable upon demand as Additional Rent. Tenant shall be responsible for any Tenant delay in completion of the Premises resulting from any such other work and upgrades requested or performed by Tenant.
  3. Landlord's supervision or performance of any work for or on behalf of Tenant shall not be deemed to be a representation by Landlord that such work complies with applicable insurance requirements, building codes, ordinances, laws or regulations or that the improvements constructed will be adequate for Tenant's use.
  4. Tenant acknowledges that the Landlord Work may be performed by Landlord in the Premises during Building Service Hours subsequent to the Suite 970 Expansion Effective Date and Suite 960 Expansion Effective Date. Landlord and Tenant agree to cooperate with each other in order to enable the Landlord Work to be performed in a timely manner and with as little inconvenience to the operation of Tenant's business as is reasonably possible. Notwithstanding anything herein to the contrary, any delay in the completion of the Landlord Work or inconvenience suffered by Tenant during the performance of the Landlord Work shall not delay the Suite 970 Expansion Effective Date or the Suite 960 Expansion Space, as the case may be, nor shall it subject Landlord to any liability for any loss or damage resulting therefrom or entitle Tenant to any credit, abatement or adjustment of Rent or other sums payable under the Lease.
  5. This Exhibit shall not be deemed applicable to any additional space added to the Premises at any time or from time to time, whether by any options under the Lease or otherwise, or to any portion of the original Premises or any additions to the Premises in the event of a renewal or extension of the original Term of the Lease, whether by any options under the Lease or otherwise, unless expressly so provided in the Lease or any amendment or supplement to the Lease.

## MEDICINOVA, INC.

**Certification of the Chief Executive Officer and Principal Financial Officer Pursuant to  
Section 302 of the Sarbanes-Oxley Act of 2002 for the Period Ended March 31, 2005**

I, Takashi Kiyozumi, Chief Executive Officer and Principal Financial Officer of MediciNova, Inc., certify that:

1. I have reviewed this quarterly report on Form 10-Q of MediciNova, Inc. (the "Registrant");
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the Registrant as of, and for, the periods presented in this report;
4. I am responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the Registrant and have:
  - a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under my supervision, to ensure that material information relating to the Registrant, including its consolidated subsidiaries, is made known to me by others within those entities, particularly during the period in which this report is being prepared;
  - b) [omitted pursuant to SEC Release No. 33-8392];
  - c) evaluated the effectiveness of the Registrant's disclosure controls and procedures and presented in this report my conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) disclosed in this report any change in the Registrant's internal control over financial reporting that occurred during the Registrant's most recent fiscal quarter (the Registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the Registrant's internal control over financial reporting; and
5. I have disclosed, based on my most recent evaluation of internal control over financial reporting, to the Registrant's auditors and the audit committee of the Registrant's board of directors (or persons performing the equivalent functions):
  - a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Registrant's ability to record, process, summarize and report financial information; and
  - b) any fraud, whether or not material, that involves management or other employees who have a significant role in the Registrant's internal control over financial reporting.

Date: May 11, 2005

By: /s/ Takashi Kiyozumi

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Takashi Kiyozumi, M.D., Ph.D.  
Chief Executive Officer  
(Principal Executive Officer and  
Principal Financial and Accounting Officer)

**CERTIFICATION OF  
CHIEF EXECUTIVE OFFICER AND PRINCIPAL FINANCIAL OFFICER  
PURSUANT TO 18 U.S.C. SECTION 1350  
(SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002)**

In connection with the accompanying Quarterly Report on Form 10-Q of MediciNova, Inc. for the period ended March 31, 2005, I, Takashi Kiyozumi, Chief Executive Officer of MediciNova, Inc., hereby certify pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to the best of my knowledge:

1. such Quarterly Report on Form 10-Q of MediciNova, Inc. for the period ended March 31, 2005, fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and
2. the information contained in such Quarterly Report on Form 10-Q of MediciNova, Inc. for the period ended March 31, 2005, fairly presents, in all material respects, the financial condition and results of operations of MediciNova, Inc. at the dates and for the periods indicated.

This certification has not been, and shall not be deemed, "filed" with the Securities and Exchange Commission.

Date: May 11, 2005

By: /s/ Takashi Kiyozumi

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Takashi Kiyozumi, M.D., Ph.D.  
Chief Executive Officer  
(Principal Executive Officer and  
Principal Financial and Accounting Officer)