MERRIMACK PHARMACEUTICALS INC Form 10-Q May 15, 2012 Table of Contents

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-Q

(Mark One)

x QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended March 31, 2012

OR

o TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from

Commission file number: 001-35409

to

Merrimack Pharmaceuticals, Inc.

(Exact name of registrant as specified in its charter)

Delaware	04-3210530

(State or other jurisdiction of incorporation or organization) (I.R.S. Employer Identification Number)

One Kendall Square, Suite B7201

Cambridge, MA 02139
(Address of principal executive offices) (Zip Code)

(617) 441-1000

(Registrant s telephone number, including area code)

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 o No x

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes x No o

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act.

Large accelerated filer o

Accelerated filer o

Non-accelerated filer x

Smaller reporting company o

(Do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes o No x

As of April 30, 2012, there were 93,299,961 shares of Common Stock, \$0.01 par value per share, outstanding.

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FORWARD-LOOKING STATEMENTS

than stater operations statements	terly Report on Form 10-Q contains forward-looking statements that involve substantial risks and uncertainties. All statements, other ments of historical facts, contained in this Quarterly Report on Form 10-Q, including statements regarding our strategy, future s, future financial position, future revenues, projected costs, prospects, plans and objectives of management, are forward-looking s. The words anticipate, believe, estimate, expect, intend, may, plan, predict, project, target, potential, will, and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these g words.
The forwa	ard-looking statements in this Quarterly Report on Form 10-Q include, among other things, statements about:
•	our plans to develop and commercialize our most advanced product candidates and companion diagnostics;
•	our ongoing and planned discovery programs, preclinical studies and clinical trials;

- our collaborations with PharmaEngine, Inc. related to MM-398 and Sanofi related to MM-121;
- our ability to establish and maintain additional collaborations;
- the timing of and our ability to obtain and maintain regulatory approvals for our product candidates;
- the rate and degree of market acceptance and clinical utility of our products;
- our intellectual property position;
- our commercialization, marketing and manufacturing capabilities and strategy;
- the potential advantages of our Network Biology approach to drug research and development;

• the potential use of our Network Biology approach in fields other than oncology; and
• our estimates regarding expenses, future revenues, capital requirements and needs for additional financing.
We may not actually achieve the plans, intentions or expectations disclosed in our forward-looking statements, and you should not place undue reliance on our forward-looking statements. Actual results or events could differ materially from the plans, intentions and expectations disclosed in the forward-looking statements we make. We have included important factors in the cautionary statements included in this Quarterly Report on Form 10-Q, particularly in Part II, Item 1A. Risk Factors, that could cause actual results or events to differ materially from the forward-looking statements that we make. Our forward-looking statements do not reflect the potential impact of any future acquisitions, mergers, dispositions, joint ventures or investments we may make.
You should read this Quarterly Report on Form 10-Q and the documents that we have filed as exhibits to the Quarterly Report on Form 10-Q completely and with the understanding that our actual
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future results may be materially different from what we expect. We do not assume any obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

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PART I

FINANCIAL INFORMATION

Item 1. Financial Statements.

Merrimack Pharmaceuticals, Inc. Condensed Consolidated Balance Sheets

Current liabilities	(in thousands, except par value) (unaudited)	December 31, 2011	March 31, 2012
Cash and cash equivalents \$ 0,454 \$ 30,555 Restricted cash 100 Accounts receivable 7,426 5,980 Deferred financing costs 1,946 2,631 Prepaid expenses and other current assets 5,763 6,526 Total current assets 65,589 45,792 Restricted cash 381 381 Property and equipment, net 6,206 5,232 Other assets 23 23 Integrible assets, net 2,485 2,405 In-process research and development 3,005 3,605 Total assets 8,529 6,448 Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders 85,299 6,448 Current liabilities 8 2,599 Accounts payable \$ 4,656 \$ 2,599 Accounts payable \$ 4,656 \$ 2,599 Accounts payable \$ 4,656 \$ 2,599 Accounts payable \$ 7,712 \$ 2,485 Deferred lease benefit 12,55 13,51 Deferr	Assets		
Restricted cash 100 Accounts receivable 7,426 5,980 Deferred financing costs 1,946 2,631 Prepaid expenses and other current assets 5,763 6,526 Total current assets 65,589 45,792 Restricted cash 68,589 45,792 Restricted cash 62,06 5,232 Other assets 23 23 Intangible assets, net 2,365 2,485 2,405 In-process research and development 7,010 7,010 7,010 Goodwill 3,059 3,605 3,605 3,605 Total assets \$85,29 \$ 64,448 4,4	Current assets:		
Accounts receivable 7,426 5,980 Deferred financing costs 1,946 2,631 Frepaid expenses and other current assets 5,763 6,526 Total current assets 65,589 45,792 Restricted cash 381 381 Property and equipment, net 6,006 5,232 Other assets 23 2,485 Intargible assets, net 2,485 2,405 In-process research and development 7,010 7,010 Goodwill 3,605 3,605 Total carrent liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders 8,829 8,6448 Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders 8,259 8,259 Accounts payable 4,85 2,599 Accounts payable 4,8 1,0 Capital lease obligations 4,8 1,0 Capital lease obligations 4,8 1,0 Capital lease benefit 2,5 1,3 Deferred revenue 7,12 4,8 Deferred tax incentives	Cash and cash equivalents	\$ 50,454	\$ 30,555
Deferred financing costs 1,946 2,631 Prepaid expenses and other current assets 5,763 6,526 Total current assets 65,589 48,792 Restricted cash 381 381 Property and equipment, net 6,206 5,232 Other assets 23 23 In-process research and development 7,010 7,010 Goodwill 3,605 3,605 Total assets 85,299 8 64,48 Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders 8 5,299 8 64,48 Urrent liabilities. 8 5,299 8 64,48 Current liabilities. 8 5,299 8 64,48 Variety of the preferred Stock, Non-controlling Interest and Stockholders 8 2,599 8 64,48 Variety of Liabilities 1 2,855 1 3,605 2 5,99 Accrued expenses and other 1 2,855 1 3,605 2 5,99 Accrued expenses and other 1 2,855 1 3,605 2 5,99 Deferred lease benefit 1 2,855 1 3,55 1 3,55 1 3,55	Restricted cash		100
Prepaid expenses and other current assets 5,763 6,526 Total current assets 65,589 45,792 Restricted cash 381 381 Property and equipment, net 6,206 5,232 Other assets 23 23 Intangible assets, net 2,485 2,405 In-process research and development 7,010 7,010 Goodwill 3,605 3,605 Stotal assets 85,299 64,448 Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders 85,299 64,448 Current liabilities. 4,656 \$ 2,599 Accounts payable \$ 4,656 \$ 2,599 Accrued expenses and other 12,855 13,061 Capital lease obligations 48 10 Deferred revenue 7,712 8,245 Deferred lease benefit 125 755 Total current liabilities 26,151 24,805 Deferred revenue 75,5 755 Total current liabilities 1,267 1,99	Accounts receivable	7,426	5,980
Total current assets 65,589 45,792 Restricted cash 381 381 Property and equipment, net 6,206 5,232 Other assets 23 23 Intangible assets, net 2,485 2,405 In-process research and development 7,010 7,010 Goodwill 3,605 3,605 Total assets 85,299 64,448 Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders 85,299 64,448 Liabilities 8 4,550 \$ 2,599 Accrued expenses and other 12,855 13,061 Capital lease so biligations 48 10 Deferred revenue 7,712 8,245 Deferred lease benefit 125 135 Deferred tax incentives 755 755 Total current liabilities 26,151 24,805 Deferred lease benefit 26,151 24,805 Deferred tax incentives 78,033 80,862 Deferred faces benefits 26,151 957	Deferred financing costs	1,946	2,631
Restricted cash 381 381 Property and equipment, net 6,206 5,232 Other assets 23 23 Intangible assets, net 2,485 2,405 In-process research and development 7,010 7,010 Goodwill 3,605 3,605 Total assets 85,29 6,448 Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders 85,299 6,448 Liabilities 8 4,656 2,599 Accounts payable 4,656 2,599 Account expenses and other 12,855 13,061 Capital lease obligations 48 10 Deferred evenue 7,712 8,245 Deferred lease benefit 125 135 Deferred tax incentives 75 75 Total current liabilities 26,151 4,805 Deferred evenues 78,033 80,862 Deferred tax incentives 78,033 80,862 Deferred capecientis 1,267 1,199 Convertib	Prepaid expenses and other current assets	5,763	6,526
Property and equipment, net 6,206 5,232 Other assets 23 23 Intangible assets, net 2,485 2,405 In-process research and development 7,010 7,010 Goodwill 3,605 3,605 Total assets 85,299 \$ 64,448 Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders 85,299 \$ 64,448 Liabilities 85,299 \$ 64,448 \$ 64,656 \$ 2,599 Accrued expensed and other 12,855 13,061 \$ 2,599 Accrued expenses and other 12,855 13,061 \$ 2,599 Accrued expenses and other 12,855 13,061 \$ 1,061 \$ 2,599 Accrued expenses and other 12,855 13,061 \$ 2,599	Total current assets	65,589	45,792
Other assets 23 23 Intangible assets, net 2,485 2,405 In-process research and development 7,010 7,010 Goodwill 3,605 3,605 Total assets 85,299 64,448 Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders 85,299 64,448 Liabilities Very County State of	Restricted cash	381	381
Intangible assets, net 2,485 2,405 In-process research and development 7,010 7,010 Goodwill 3,005 3,605 Statests 85,299 64,448 Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders Deficit Current liabilities: Accounts payable \$ 4,656 \$ 2,599 Accounts payable \$ 48 10 Capital lease obligations 48 10 Deferred revenue 7,12 8,245 Deferred lease benefit 25 135 Deferred tax incentives 755 755 Total current liabilities 26,151 24,805 Deferred revenues 26,151 24,805 Deferred lease benefits 26,151 24,805 Deferred lease benefits 26,151 24,805 Deferred lease benefits 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities 1,516 957 <t< td=""><td>Property and equipment, net</td><td>6,206</td><td>5,232</td></t<>	Property and equipment, net	6,206	5,232
In-process research and development 7,010 7,010 Goodwill 3,605 3,605 Total assets 85,299 64,448 Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders Urrent liabilities: Current liabilities: 4,656 2,599 Accrued expenses and other 12,855 13,061 Capital lease obligations 48 10 Deferred revenue 7,712 8,245 Deferred lease benefit 125 135 Deferred tax incentives 755 755 Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,567 97 Total liabilities 1,069 108,054 Commitments and contingencies (Note 10) 574 456 Convertible preferred stock 268,225 268,225 Noc. controlling interest <td>Other assets</td> <td>23</td> <td>23</td>	Other assets	23	23
Goodwill 3,605 3,605 Total assets \$ 85,299 64,448 Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders Deficit Current liabilities: Accounts payable \$ 4,656 \$ 2,599 Accrued expenses and other 12,855 13,061 Capital lease obligations 48 10 Deferred revenue 7,712 8,245 Deferred lease benefit 125 135 Deferred tax incentives 26,151 24,805 Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities 10,699 108,054 Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 456 Stockholders deficit 268,225 268,225 Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 45	Intangible assets, net	2,485	2,405
Total assets 85,299 64,448 Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders Deficit Current liabilities: Accounts payable \$ 4,656 \$ 2,599 Accrued expenses and other 12,855 13,061 Capital lease obligations 48 10 Deferred revenue 7,712 8,245 Deferred lease benefit 125 135 Deferred tax incentives 755 755 Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred lease benefits 23 231 Deferred lease benefits 1,516 995 Total liabilities 1,516 995 Total liabilities 1,516 995 Total liabilities 106,990 108,054 Commitments and contingencies (Note 10) Convertible preferred stock 268,225 268,225 Non-controlling interest	In-process research and development	7,010	7,010
Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders Deficit Current liabilities: Accounts payable \$ 4,656 \$ 2,599 Accrued expenses and other 12,855 13,061 Capital lease obligations 48 10 Deferred revenue 7,712 8,245 Deferred lease benefit 125 135 Deferred atx incentives 755 755 Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities 106,990 108,054 Commitments and contingencies (Note 10) 268,225 268,225 Non-controlling interest 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: 200,000 authorized \$0.01 par value shares at December 31, 2011 201,000 authorized \$0.01 par value shares at Dece	Goodwill	3,605	3,605
Deficit Current liabilities: Accounts payable \$ 4.656 \$ 2,599 Accrued expenses and other 12,855 13,061 Capital lease obligations 48 10 Deferred revenue 7,712 8,245 Deferred lease benefit 125 135 Deferred ax incentives 755 755 Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: 574 456 Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,	Total assets	\$ 85,299	\$ 64,448
Current liabilities: \$ 4,656 \$ 2,599 Accounts payable \$ 12,855 13,061 Capital lease obligations 48 10 Deferred revenue 7,712 8,245 Deferred lease benefit 125 135 Deferred tax incentives 755 755 Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) 268,225 268,225 Convertible preferred stock 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: 200,000 authorized \$0.01 par value shares at December 31, 2011 300,000 authorized \$0.01 par value shares at December 31, 2011 300,000 authorized \$0.01 par value shares at December 31, 2011 300,000 authorized \$0.01 par value shares at December 31, 2011 300,000 authorized \$0.01 par value shares at December 31, 2011	Liabilities, Convertible Preferred Stock, Non-controlling Interest and Stockholders		
Accounts payable \$ 4,656 \$ 2,599 Accrued expenses and other 12,855 13,061 Capital lease obligations 48 10 Deferred revenue 7,712 8,245 Deferred lease benefit 125 135 Deferred tax incentives 755 755 Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 108,054 Commitments and contingencies (Note 10) 268,225 268,225 Convertible preferred stock 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: 200,000 200,000 authorized \$0.01 par value shares at December 31, 2011 201,000 authorized \$0.01 par value shares at December 31, 2011 201,000 authorized \$0.01 par value shares at December 31, 2011 201,000 authorized \$0.01 par value shares at December 31, 2011	Deficit		
Accrued expenses and other 12,855 13,061 Capital lease obligations 48 10 Deferred revenue 7,712 8,245 Deferred lease benefit 125 135 Deferred tax incentives 755 755 Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) 268,225 268,225 Convertible preferred stock 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,	Current liabilities:		
Capital lease obligations 48 10 Deferred revenue 7,712 8,245 Deferred lease benefit 125 135 Deferred tax incentives 755 755 Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) 268,225 268,225 Convertible preferred stock 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,	Accounts payable	\$ 4,656	\$ 2,599
Deferred revenue 7,712 8,245 Deferred lease benefit 125 135 Deferred tax incentives 755 755 Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: 268,225 268,225 Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31, 3011		12,855	13,061
Deferred lease benefit 125 135 Deferred tax incentives 755 755 Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) Convertible preferred stock 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,	Capital lease obligations	48	10
Deferred tax incentives 755 755 Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: 200,000 authorized \$0.01 par value shares at December 31, 2011 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31, 2011	Deferred revenue	7,712	8,245
Total current liabilities 26,151 24,805 Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,	Deferred lease benefit	125	135
Deferred revenues 78,033 80,862 Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31, 3011	Deferred tax incentives	755	
Deferred lease benefits 23 231 Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) 268,225 268,225 Convertible preferred stock 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,	Total current liabilities	26,151	24,805
Deferred tax incentives 1,267 1,199 Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) Convertible preferred stock 268,225 Non-controlling interest 574 456 Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,	Deferred revenues	,	
Convertible preferred stock warrants 1,516 957 Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) Convertible preferred stock 268,225 268,225 Non-controlling interest 574 456 Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,	Deferred lease benefits	23	231
Total liabilities \$ 106,990 \$ 108,054 Commitments and contingencies (Note 10) Convertible preferred stock \$ 268,225 \$ 268,225 Non-controlling interest \$ 574 \$ 456 Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,			1,199
Commitments and contingencies (Note 10) Convertible preferred stock Non-controlling interest Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,	Convertible preferred stock warrants	1,516	957
Convertible preferred stock 268,225 Non-controlling interest 574 456 Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,	Total liabilities	\$ 106,990	\$ 108,054
Non-controlling interest 574 456 Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,	Commitments and contingencies (Note 10)		
Stockholders deficit: Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,		268,225	268,225
Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011 and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,	Non-controlling interest	574	456
and March 31, 2012, respectively, 11,834 and 11,907 issued and outstanding at December 31,			
	Common stock, 138,500 and 200,000 authorized \$0.01 par value shares at December 31, 2011		
2011 and March 31, 2012, respectively 118 119			
	2011 and March 31, 2012, respectively	118	119

Additional paid-in capital	60,231	61,717
Accumulated deficit	(350,839)	(374,123)
Total stockholders deficit	\$ (290,490) \$	(312,287)
Total liabilities, convertible preferred stock, non-controlling interest and stockholders		
deficit	\$ 85,299 \$	64,448

 $\label{thm:companying} \textit{The accompanying notes are an integral part of these condensed consolidated financial statements}.$

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Merrimack Pharmaceuticals, Inc. Condensed Consolidated Statements of Operations

n thousands, except per share amounts) Three months ended March 31,			arch 31,	
(unaudited)		2011		2012
Collaboration revenues	\$	6,461	\$	11,344
Operating expenses				
Research and development		18,001		31,651
General and administrative		3,101		3,728
Total operating expenses		21,102		35,379
Loss from operations		(14,641)		(24,035)
Other income and expenses				
Interest income		14		9
Interest expense		(6)		(1)
Other, net		1,098		625
Net loss		(13,535)		(23,402)
Less net loss attributable to non-controlling interest		(78)		(118)
Net loss attributable to Merrimack Pharmaceuticals, Inc.	\$	(13,457)	\$	(23,284)
Net loss per share available to common stockholders basic and diluted	\$	(1.35)	\$	(2.14)
Weighted-average common shares used in computing net loss per share available to				
common stockholders basic and diluted		11,106		11,846

The accompanying notes are an integral part of these condensed consolidated financial statements.

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Merrimack Pharmaceuticals, Inc. Condensed Consolidated Statements of Cash Flows

(in thousands)		Three mor		ed
(unaudited)	2	2011	,	2012
Cash flows from operating activities				
Net loss	\$	(13,535)	\$	(23,402)
Adjustments to reconcile net loss to net cash used in operating activities				
Loss (gain) on mark-to-market on convertible preferred stock warrants		716		(559)
Amortization of deferred lease benefits and tax incentives		(167)		(179)
Depreciation and amortization		1,316		1,380
Stock-based compensation		1,020		1,339
Changes in operating assets and liabilities				
Accounts receivable		(4,873)		1,446
Prepaid expenses and other current assets		(1,324)		(763)
Accounts payable		(317)		(2,057)
Accrued expenses and other		219		(299)
Deferred revenues		5,782		3,362
Deferred lease benefits and tax incentive		1,212		329
Other assets and liabilities, net		7		
		·		
Net cash used in operating activities		(9,944)		(19,403)
Cash flows from investing activities				
Purchase of property and equipment		(563)		(326)
Other investing activities, net		2		(100)
Net cash used in investing activities		(561)		(426)
Cash flows from financing activities				
Proceeds from issuance of common stock		48		148
Proceeds received in advance of Series G issuance		12,508		
Deferred financing costs				(180)
Principal payment on capital lease obligations		(169)		(38)
Net cash provided by (used in) financing activities		12,387		(70)
Net increase (decrease) in cash and cash equivalents		1,882		(19,899)
Cash and cash equivalents, beginning of period		30,713		50,454
Cash and cash equivalents, end of period		32,595	\$	30,555
Non cash investing and financing activities				
Deferred financing costs included in ending accrued expenses				505
Supplemental disclosure of cash flows				
Cash paid for interest	\$	6	\$	

The accompanying notes are an integral part of these condensed consolidated financial statements.

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Merrimack Pharmaceuticals, Inc.

Notes to Condensed Consolidated Financial Statements

(unaudited)

1. Nature of the Business

Merrimack Pharmaceuticals, Inc. (the Company) is a biopharmaceutical company discovering, developing and preparing to commercialize innovative medicines consisting of novel therapeutics paired with companion diagnostics. The Company has five targeted therapeutic oncology candidates in clinical development (MM-398, MM-121, MM-111, MM-302 and MM-151), multiple product candidates in preclinical development and a discovery effort advancing additional candidate medicines. The Company uses its interdisciplinary Network Biology approach in drug discovery and development. The Company is incorporated in the State of Delaware.

The Company is subject to risks and uncertainties common to companies in the biopharmaceutical industry, including, but not limited to, its ability to secure additional capital to fund operations, development by competitors of new technological innovations, dependence on collaborative arrangements, protection of proprietary technology, compliance with government regulations and dependence on key personnel. Product candidates currently under development will require significant additional research and development efforts, including extensive preclinical and clinical testing and regulatory approval prior to commercialization. These efforts require significant amounts of additional capital, adequate personnel infrastructure and extensive compliance reporting capabilities.

The accompanying condensed consolidated financial statements have been prepared on a basis which assumes that the Company will continue as a going concern and which contemplates the realization of assets and satisfaction of liabilities and commitments in the normal course of business. However, the Company has incurred significant losses and does not have commercial operations underway. As of March 31, 2012, the Company had cash and cash equivalents of \$30,555,000. In April 2012, the Company closed the initial public offering of its common stock pursuant to a registration statement on Form S-1, as amended. The Company sold an aggregate of 15,042,459 shares of common stock under the registration statement at a public offering price of \$7.00 per share, including 742,459 shares pursuant to the exercise by the underwriters of an over-allotment option. Net proceeds were approximately \$100.5 million, after deducting underwriting discounts and commissions but prior to the payment of remaining offering expenses payable by the Company and accrued dividends on the Company s Series B convertible preferred stock. The Company expects its existing cash and cash equivalents on hand as of March 31, 2012, together with the net proceeds from the initial public offering, to be sufficient to fund operations into the second half of 2013.

The Company may seek additional funding through public or private financings, or through existing or new collaboration arrangements. The Company may not be able to obtain financing on acceptable terms, or at all, and the Company may not be able to enter into additional collaborative arrangements. The terms of any financing may adversely affect the holdings or the rights of the Company s stockholders. Arrangements with collaborators or others may require the Company to relinquish rights to certain of its technologies or product candidates. If the Company is unable to obtain funding, the Company could be forced to delay, reduce or eliminate its research and development programs or commercialization efforts, which could adversely affect its business prospects.

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2. Sm	mmary of	Signif	icant /	Accounting	Policies
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Significant accounting policies followed by the Company in the preparation of its condensed consolidated financial statements are as follows:

Basis of Presentation

The accompanying condensed consolidated financial statements as of March 31, 2012, and for the three months ended March 31, 2011 and 2012, have been prepared in accordance with the rules and regulations of the Securities and Exchange Commission (the SEC) and generally accepted accounting principles in the United States of America (GAAP) for condensed consolidated financial information. Accordingly, they do not include all of the information and footnotes required by GAAP for complete financial statements. In the opinion of management, these condensed consolidated financial statements reflect all adjustments which are necessary for a fair statement of the Company's financial position and results of its operations, as of and for the periods presented. These condensed consolidated financial statements should be read in conjunction with the consolidated financial statements and notes thereto contained in the Company's Current Report on Form 8-K filed with the SEC on April 27, 2012.

The information presented in the condensed consolidated financial statements and related notes as of March 31, 2012, and for the three months ended March 31, 2011 and 2012, is unaudited. The December 31, 2011 condensed consolidated balance sheet included herein was derived from the audited financial statements as of that date, but does not include all disclosures, including notes, required by GAAP for complete financial statements.

Interim results for the three months ended March 31, 2012 are not necessarily indicative of the results that may be expected for the fiscal year ending December 31, 2012, or any future period.

Principles of Consolidation

These condensed consolidated financial statements include the accounts of the Company, its wholly owned subsidiary Hermes BioSciences, Inc., which was merged with and into the Company during 2011, its wholly owned subsidiary Merrimack Pharmaceuticals (Bermuda) Ltd., which was incorporated during 2011, and its 74% majority owned subsidiary Silver Creek Pharmaceuticals, Inc. (Silver Creek). All intercompany transactions and balances have been eliminated in consolidation.

There were no changes to the Company s ownership of Silver Creek during the three months ended March 31, 2011 and 2012. The Company s consolidated financial statement activity related to Silver Creek during these periods is as follows:

(in thousands) Non-Controlling Interest

Balance at December 31, 2010	\$ 1,027
Net loss attributable to Silver Creek	(78)
Balance at March 31, 2011	\$ 949

	Non-Controlling Interest			
Balance at December 31, 2011	\$	574		
Net loss attributable to Silver Creek		(118)		
Balance at March 31, 2012	\$	456		

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Use of estimates

GAAP requires the Company s management to make estimates and judgments that may affect the reported amounts of assets, liabilities, revenues, expenses and related disclosures. The Company bases estimates and judgments on historical experience and on various other factors that it believes to be reasonable under the circumstances. The significant estimates in these condensed consolidated financial statements include revenue recognition, useful lives with respect to long-lived assets and intangibles, valuation of stock options, convertible preferred stock warrants, contingencies, accrued expenses, intangible assets, goodwill, in-process research and development and tax valuation reserves. The Company s actual results may differ from these estimates under different assumptions or conditions. The Company evaluates its estimates on an ongoing basis. Changes in estimates are reflected in reported results in the period in which they become known by the Company s management.

Cash, Cash Equivalents and Restricted Cash

Cash and cash equivalents are short-term, highly liquid investments with an original maturity of three months or less at the date of purchase. Investments qualifying as cash equivalents primarily consist of money market funds.

Cash accounts with any type of restriction are classified as restricted cash. If restrictions are expected to be lifted in the next twelve months, the restricted cash account is classified as current. As of December 31, 2011 and March 31, 2012, the Company recorded restricted cash of \$381,000 and \$481,000, respectively.

Revenue Recognition

The Company enters into biopharmaceutical product development agreements with collaborative partners for the research and development of therapeutic and diagnostic products. The terms of the agreements may include nonrefundable signing and licensing fees, funding for research, development and manufacturing, milestone payments and royalties on any product sales derived from collaborations. These multiple element arrangements are analyzed to determine whether the deliverables can be separated or whether they must be accounted for as a single unit of accounting.

In January 2011, the Company adopted new authoritative guidance on revenue recognition for multiple element arrangements. This guidance, which applies to multiple element arrangements entered into or materially modified on or after January 1, 2011, amends the criteria for separating and allocating consideration in a multiple element arrangement by modifying the fair value requirements for revenue recognition and eliminating the use of the residual method. The fair value of deliverables under the arrangement may be derived using a best estimate of selling price if vendor specific objective evidence and third-party evidence are not available. Deliverables under the arrangement will be separate units of accounting provided that a delivered item has value to the customer on a stand-alone basis and if the arrangement does not include a general right of return relative to the delivered item and delivery or performance of the undelivered item is considered probable and substantially in the control of the vendor. The Company also adopted guidance that permits the recognition of revenue contingent upon the achievement of a milestone in its entirety, in the period in which the milestone is achieved, only if the milestone meets certain criteria and is considered to be substantive. The Company did not enter into any significant multiple element arrangements or materially modify any of its existing multiple element arrangements during the year ended December 31, 2011 or the three months ended March 31, 2012. The Company s existing license and collaboration agreements continue to be accounted for under previously issued revenue recognition guidance for multiple element arrangements

and milestone revenue recognition, as described below.

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The Company recognized upfront license payments as revenue upon delivery of the license only if the license had stand-alone value and the fair value of the undelivered performance obligations could be determined. If the fair value of the undelivered performance obligations could be determined, such obligations were accounted for separately as the obligations were fulfilled. If the license was considered to either not have stand-alone value or have stand-alone value but the fair value of any of the undelivered performance obligations could not be determined, the arrangement was accounted for as a single unit of accounting and the license payments and payments for performance obligations were recognized as revenue over the estimated period of when the performance obligations would be performed.

Whenever the Company determined that an arrangement should be accounted for as a single unit of accounting, it determined the period over which the performance obligations would be performed and revenue would be recognized. If the Company could not reasonably estimate the timing and the level of effort to complete its performance obligations under the arrangement, then revenue under the arrangement was recognized on a straight-line basis over the period the Company expected to complete its performance obligations, which is reassessed at each subsequent reporting period.

The Company s collaboration agreements may include additional payments upon the achievement of performance-based milestones. As milestones are achieved, a portion of the milestone payment, equal to the percentage of the total time that the Company has performed the performance obligations to date over the total estimated time to complete the performance obligations, multiplied by the amount of the milestone payment, will be recognized as revenue upon achievement of such milestone. The remaining portion of the milestone will be recognized over the remaining performance period. Milestones that are tied to regulatory approval are not considered probable of being achieved until such approval is received. Milestones tied to counter-party performance are not included in the Company s revenue model until the performance conditions are met.

Royalty revenue will be recognized upon the sale of the related products provided the Company has no remaining performance obligations under the arrangement.

Convertible Preferred Stock and Convertible Preferred Stock Warrants

Convertible preferred stock is initially recorded at the proceeds received, net of issuance costs and warrants, where applicable. There was no activity related to the convertible preferred stock for the three months ended March 31, 2012. However, as described in Note 3, in April 2012, the Company closed the initial public offering of its common stock. Upon closing, all outstanding shares of the Company s convertible preferred stock were converted into 66,255,529 shares of common stock.

The Company accounts for freestanding warrants as liabilities at their fair value. The Company measures the fair value of the convertible preferred stock warrants at the end of each reporting period and records the change in fair value to other income (expense). For the three months ended March 31, 2011 and 2012, the Company recorded other income (expense) related to this re-measurement of \$(716,000) and \$559,000, respectively. However, as described in Note 3, in April 2012, the Company closed the initial public offering of its common stock. Upon closing, all outstanding warrants to purchase shares of convertible preferred stock were converted into warrants to purchase shares of common stock.

Other Income (Expense)

The Company records gains and losses on the change in value and time to expiration of convertible preferred stock warrants, the recognition of federal and state sponsored tax incentives and other one-time income or expense-related items in other income (expense) on the Company s condensed

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consolidated statement of operations. Other income for the three months ended March 31, 2011 included a cash settlement of \$1.8 million from a former service provider.

Deferred Financing Costs

The Company capitalizes certain legal, accounting and other fees that are directly associated with in-process equity financings as current assets until such financings occur. After occurrence, these costs are recorded in equity, in the case of a common stock financing, or mezzanine equity, in the case of a convertible preferred stock financing, net of proceeds received.

As of December 31, 2011 and March 31, 2012, the Company recorded deferred financing costs of \$1,946,000 and \$2,631,000, respectively, on the accompanying condensed consolidated balance sheet in contemplation of an initial public offering. As discussed in Note 3, in April 2012, the Company closed the initial public offering of its common stock. Upon closing, these deferred financing costs were netted against the equity proceeds within stockholders equity (deficit).

3. Initial Public Offering

In April 2012, the Company closed the initial public offering of its common stock pursuant to a registration statement on Form S-1, as amended. The Company sold an aggregate of 15,042,459 shares of common stock under the registration statement at a public offering price of \$7.00 per share, including 742,459 shares pursuant to the exercise by the underwriters of an over-allotment option. Net proceeds were approximately \$100.5 million, after deducting underwriting discounts and commissions but prior to the payment of remaining offering expenses payable by the Company and accrued dividends on the Company s Series B convertible preferred stock.

Upon closing the initial public offering, all outstanding shares of the Company s convertible preferred stock were converted into 66,255,529 shares of common stock, all outstanding warrants to purchase shares of convertible preferred stock were converted into warrants to purchase shares of common stock and approximately \$4.3 million of cash dividends became payable to the holders of Series B convertible preferred stock.

4. Net Loss per Common 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 during 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.

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The following table presents the computation of basic and diluted net loss per share available to common stockholders for the three months ended March 31, 2011 and 2012:

		Three months ended March 31,			
(in thousands, except per share amount)		2011		2012	
Net Loss Per Share:					
Numerator:					
Net loss attributable to Merrimack Pharmaceuticals, Inc.	\$	(13,457)	\$	(23,284)	
Plus: Unaccreted dividends on convertible preferred stock		(1,537)		(2,040)	
Net loss available to common stockholders basic and diluted		(14,994)		(25,324)	
Denominator:					
Weighted-average common shares basic and diluted		11,106		11,846	
Net loss per share available to common stockholders basic and diluted	\$	(1.35)	\$	(2.14)	

The following common stock equivalents of potentially dilutive securities have been excluded from the computation of diluted weighted average shares outstanding as of March 31, 2011 and 2012, as the Company recorded a net loss in all periods and, therefore, they would be anti-dilutive:

	Three months ended	Three months ended March 31,		
(in thousands)	2011	2012		
Convertible preferred stock	55,254	66,256		
Options to purchase common stock	15,939	17,515		
Convertible preferred stock warrants	304	302		
Common stock warrants	2,937	2,631		

5. License and Collaboration Agreements

Sanofi

On September 30, 2009, the Company entered into a license and collaboration agreement with Sanofi for the development and commercialization of a drug candidate being developed by the Company under the name MM-121. The agreement became effective on November 10, 2009 and Sanofi paid the Company a nonrefundable, noncreditable upfront license fee of \$60.0 million. During the third quarter of 2010 and the fourth quarter of 2011, the Company received a total of \$20.0 million in milestone payments associated with dosing the first patients in Phase 2 clinical trials in breast cancer and non-small cell lung cancer. During the first quarter of 2012, the Company received an additional milestone payment of \$5.0 million associated with dosing the first patient in a Phase 2 clinical trial in ovarian cancer. The Company is eligible to receive additional future development, regulatory and sales milestone payments as well as future royalty payments depending on the success of MM-121.

Under the agreement, Sanofi is responsible for all MM-121 development and manufacturing costs. The Company retained the right to participate in the development of MM-121 through Phase 2 proof of concept trials. The Company also has the right, but not the obligation, to co-promote MM-121 in the United States. Sanofi reimburses the Company for direct costs incurred in development and compensates the Company for its internal development efforts based on a full time equivalent (FTE) rate. Also as part of the agreement, the Company was required to manufacture certain quantities of MM-121 and, at Sanofi s and the Company s option, may continue to manufacture additional quantities of MM-121 in the future. Sanofi reimburses the Company for direct costs incurred in manufacturing and compensates the Company for its internal manufacturing efforts based on an FTE rate. The Company satisfied its manufacturing obligations during 2010 and has elected to continue to manufacture quantities of MM-121.

The Company applied revenue recognition guidance to determine whether the performance obligations under this collaboration, including the license, the right to future technology, back-up compounds, participation on steering committees, development services and manufacturing services, could be accounted for separately or as a single unit of accounting. The Company determined that its

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development services performance obligation is considered a separate unit of accounting, as it is set at the Company s option, has stand-alone value and the FTE rate is considered fair value. Therefore, the Company recognizes cost reimbursements for MM-121 development services as incurred. The Company determined that the license, the right to future technology, back-up compounds, participation on steering committees and manufacturing services performance obligations represented a single unit of accounting. As the Company cannot reasonably estimate its level of effort over the collaboration, the Company recognizes revenue from the upfront payment, milestone payment and manufacturing services payments using the contingency-adjusted performance model over the expected development period, which is currently estimated to be 12 years from the effective date of the agreement. Under this model, when a milestone is earned or manufacturing services are rendered and product is delivered, revenue is immediately recognized on a pro-rata basis in the period the milestone was achieved or product was delivered based on the time elapsed from the effective date of the agreement. Thereafter, the remaining portion is recognized on a straight-line basis over the remaining development period.

During the three months ended March 31, 2011 and 2012, the Company recognized revenue based on the following components of the Sanofi agreement:

(in thousands)	Three months 2011	ended Ma	arch 31, 2012
Upfront payment	\$ 1,250	\$	1,250
Milestone payment	208		1,412
Development services	4,705		8,142
Manufacturing services and other	255		521
Total	\$ 6,418	\$	11,325

As of December 31, 2011 and March 31, 2012, the Company maintained the following assets and liabilities related to the Sanofi agreement:

(in thousands)	December	31, 2011	March 31, 2012		
Accounts receivable, billed	\$	4,478 \$	2,123		
Accounts receivable, unbilled		2,925	3,827		
Deferred revenue		84.466	87.847		

PharmaEngine, Inc.

On May 5, 2011, the Company entered into an assignment, sublicense and collaboration agreement with PharmaEngine, Inc. (PharmaEngine) under which the Company reacquired rights in Europe and certain countries in Asia to a drug being developed under the name MM-398. In exchange, the Company agreed to pay PharmaEngine a nonrefundable, noncreditable upfront payment of \$10.0 million and will be required to make up to an aggregate of \$80.0 million in development and regulatory milestone payments and \$130.0 million in sales milestone payments upon the achievement of specified development, regulatory and annual net sales milestones. During the first quarter of 2012, the Company paid a milestone of \$5.0 million under the collaboration agreement with PharmaEngine in connection

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with dosing the first patient in a Phase 3 clinical trial of MM-398 in pancreatic cancer. PharmaEngine is also entitled to tiered royalties on net sales of MM-398 in Europe and certain countries in Asia. The Company is responsible for all future development costs of MM-398 except those required specifically for regulatory approval in Taiwan. The Company determined that PharmaEngine is a variable interest entity based on an analysis of PharmaEngine s capitalization. However, the Company determined that the Company cannot control the activities of PharmaEngine, and therefore, the Company is not the primary beneficiary and should not consolidate the financial results of PharmaEngine.

During the three months ended March 31, 2012, the Company recognized research and development expenses of \$5.3 million related to the agreement with PharmaEngine, which consisted of the \$5.0 million milestone payment and \$0.3 million of research and development reimbursement.

6. Fair Value of Financial Instruments

The carrying amounts of cash and cash equivalents, prepaid expenses, accounts receivable, accounts payable and accrued expenses and other short-term assets and liabilities approximate fair value due to the short-term nature of these instruments. The capital lease obligations and convertible preferred stock warrants are also carried at fair value.

Fair value is an exit price, representing the amount that would be received from the sale of an asset or paid to transfer a liability in an orderly transaction between market participants. Fair value is determined based on observable and unobservable inputs. Observable inputs reflect readily obtainable data from independent sources, while unobservable inputs reflect certain market assumptions. As a basis for considering such assumptions, GAAP establishes a three-tier value hierarchy, which prioritizes the inputs used to develop the assumptions and for measuring fair value as follows: (Level 1) observable inputs such as quoted prices in active markets for identical assets; (Level 2) inputs other than the quoted prices in active markets that are observable either directly or indirectly; and (Level 3) unobservable inputs in which there is little or no market data, which requires the Company to develop its own assumptions. This hierarchy requires the Company to use observable market data, when available, and to minimize the use of unobservable inputs when determining fair value.

The following tables show assets and liabilities measured at fair value on a recurring basis as of December 31, 2011 and March 31, 2012 and the input categories associated with those assets and liabilities:

As of December 31, 2011 (in thousands)	Level 1	Level 2	Level 3
Assets			
Cash equivalents Money Markets	\$ 35,076	S	\$
Liabilities			
Convertible preferred stock warrants			1,516
As of March 31, 2012 (in thousands)	Level 1	Level 2	Level 3
Assets			
Cash equivalents Money Markets	\$ 3,63	6	

Liabilities		
Convertible preferred stock warrants		957
	13	

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The Company s investment portfolio consists of investments classified as cash equivalents. All highly liquid investments with an original maturity of three months or less when purchased are considered to be cash equivalents. The Company s cash and cash equivalents are invested in a U.S. treasury and federal agency-backed money market fund that approximates its face value. The fair value of the convertible preferred stock warrants as of December 31, 2011 and March 31, 2012 was determined using the Black-Scholes option valuation model.

The following table provides a roll-forward of the fair value of the convertible preferred stock warrants categorized as Level 3 instruments, for the three months ended March 31, 2011 and 2012:

(in thousands)	Convertible preferred ck warrants
Balance, December 31, 2010	\$ 652
Unrealized loss included in other income (expense)	716
Balance, March 31, 2011	\$ 1,368
(in thousands)	Convertible preferred ck warrants
Balance, December 31, 2011	\$ 1,516
Unrealized gain included in other income (expense)	(559)
` .	, ,
Balance, March 31, 2012	\$ 957

7. Accrued Expenses and other

Accrued expenses and other as of December 31, 2011 and March 31, 2012 consisted of the following:

(in thousands)	December 31, 2011	March 31, 2012		
Goods and services \$	9,18	9 \$	8,457	
Payroll and related benefits	3,66	6	3,382	
Contractual liability			1,222	
Total accrued expenses and other \$	12,85	5 \$	13,061	

As described in Note 10, the Company has recorded a contractual liability of \$1.2 million related to a contractual matter with Sanofi.

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8. Common Stock

During the first quarter of 2012, the Company amended its certificate of incorporation to increase the number of authorized shares of common stock to 200.0 million. As of December 31, 2011 and March 31, 2012, the Company had 138.5 million shares and 200.0 million shares, respectively, of common stock, \$0.01 par value per share, authorized.

There were 11,834,000 and 11,907,000 shares of common stock issued and outstanding as of December 31, 2011 and March 31, 2012, respectively. The shares reserved for future issuance as of December 31, 2011 and March 31, 2012 consisted of the following:

(in thousands)	December 31, 2011	March 31, 2012
Conversion of Series B, Series C, Series D, Series E, Series F and Series G convertible preferred		
stock	66,256	66,256
Convertible preferred stock warrants	302	302
Common stock warrants	2,640	2,631
1999 Stock Option Plan and 2008 Stock Incentive Plan	17,617	17,515
	86,815	86,704

As discussed in Note 3, in April 2012, the Company closed the initial public offering of its common stock pursuant to a registration statement on Form S-1, as amended. The Company sold an aggregate of 15,042,459 shares of common stock under the registration statement at a public offering price of \$7.00 per share, including 742,459 shares pursuant to the exercise by the underwriters of an over-allotment option. Upon closing, all outstanding shares of the Company s convertible preferred stock were converted into 66,255,529 shares of common stock.

9. Stock-Based Compensation

During the three months ended March 31, 2011 and 2012, the Company did not issue options to purchase shares of common stock.

As of December 31, 2011 and March 31, 2012, there were 830,000 and 866,111 shares of common stock, respectively, available to be issued under the 2008 Stock Incentive Plan, as amended (the 2008 Plan).

The 2011 Stock Incentive Plan (the 2011 Plan) became effective upon closing of the Company s initial public offering in April 2012. Upon effectiveness of the 2011 Plan, no further awards were available to be issued under the 2008 Plan. The 2011 Plan is administered by the Board of Directors of the Company and permits the Company to grant incentive and non-qualified stock options, stock appreciation rights, restricted stock, restricted stock units and other stock-based awards. The 2011 Plan increases the total number of shares of common stock available to be issued by 3.5 million.

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The Company recognized stock-based compensation expense as follows for the three months ended March 31, 2011 and 2012:

(in thousands)	Three months ended Mar 2011			ch 31, 2012
Employee awards:				
Research and development	\$	700	\$	909
General and administrative		273		430
Stock-based compensation for employee awards		973		1,339
Stock-based compensation for nonemployee awards		47		
Total stock-based compensation	\$	1,020	\$	1,339

The following table summarizes stock option activity during the three months ended March 31, 2012:

(in thousands, except per share amounts)	Number of shares	Weighted average exercise price	Aggregate intrinsic value
Outstanding, December 31, 2011	17,617	\$ 2.56	\$ 74,329
Exercised	(66)	\$ 2.24	
Forfeited	(36)	\$ 3.37	
Outstanding, March 31, 2012	17,515	\$ 2.56	\$ 63,769
Exercisable, March 31, 2012	14,171	\$ 2.23	\$ 56,177
Vested and expected to vest, March 31, 2012	17,339	\$ 2.54	\$ 63,485

The aggregate intrinsic value was calculated as the difference between the exercise price of the stock options and the fair value of the underlying common stock as of the respective balance sheet date.

10. Commitments and Contingencies

Operating leases

The Company leases its office, laboratory and manufacturing space under non-cancellable operating leases. Total rent expense under these operating leases was \$700,000 and \$893,000 for the three months ended March 31, 2011 and 2012, respectively.

During the first quarter of 2012, the Company entered into a lease amendment to further expand its office, laboratory and manufacturing space. The amendment leases additional space for a seven year term effective March 2012. The aggregate rent due over the seven year term of the lease amendment is approximately \$2.7 million. As part of this agreement, the landlord agreed to reimburse the Company for a portion of tenant improvements made to the facility, up to a total of \$464,000. Tenant improvements are

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recorded in deferred lease benefits on the accompanying condensed consolidated balance sheets and amortized over the term of the lease as reductions to rent expense.

During the first quarter of 2012, the Company completed tenant improvements to the leased facility and recorded a related receivable from the landlord of \$329,000 in prepaid expenses and other assets on the accompanying condensed consolidated balance sheets as of March 31, 2012.

Contingencies

Contractual matter

The Company manufactures MM-121 under a license and collaboration agreement with Sanofi. Under this agreement, Sanofi reimburses the Company for direct costs incurred in manufacturing. During 2009 and 2010, the Company utilized a third party contractor to perform fill-finish manufacturing services. This third party contractor experienced U.S. Food and Drug Administration (FDA) inspection issues with its quality control process that resulted in a formal warning letter from the FDA. Following a review by Sanofi and the Company, some MM-121 was pulled from clinical trial sites and replaced with MM-121 that was filled by a different contractor. Sanofi had requested that the Company assume financial responsibility for the MM-121 material that was pulled from clinical trial sites. The Company and Sanofi have since agreed that, during 2012 and 2013, the Company will reimburse Sanofi approximately \$1.2 million of previously billed amounts. The Company has recorded a contractual liability of \$1.2 million in accrued expenses and other on the accompanying condensed consolidated balance sheets as of March 31, 2012. The Company s revenue recognition model for manufacturing services performed under the license and collaboration agreement with Sanofi is to recognize these services over the period of performance, which is currently estimated to be 12 years from the effective date of the agreement. Removal of these previously billed amounts from the revenue recognition model and establishing this contractual liability resulted in an earnings reduction of \$0.2 million for the three months ended March 31, 2012 in the accompanying condensed consolidated statement of operations.

11. Related Party Transactions

In connection with the initial public offering of the Company s common stock, Sanofi purchased 5,217,391 shares of the Company s common stock in April 2012.

Item 2. Management s Discussion and Analysis of Financial Condition and Results of Operations.

The following discussion of our financial condition and results of operations should be read in conjunction with our financial statements and the notes to those financial statements appearing elsewhere in this Quarterly Report on Form 10-Q and the audited consolidated financial statements and notes thereto and management s discussion and analysis of financial condition and results of operations for the year ended December 31, 2011 included in our Annual Report on Form 10-K. This discussion contains forward-looking statements that involve significant risks and uncertainties. As a result of many factors, such as those set forth in Part II, Item 1A. Risk Factors of this Quarterly Report on Form 10-Q, which are incorporated herein by reference, our actual results may differ materially from those anticipated in these

forward-looking statements.		
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Overview

We are a biopharmaceutical company discovering, developing and preparing to commercialize innovative medicines consisting of novel therapeutics paired with companion diagnostics. Our mission is

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to provide patients, physicians and the healthcare system with the medicines, tools and information to transform the approach to care from one based on the identification and treatment of symptoms to one focused on the diagnosis and treatment of illness through a more precise mechanistic understanding of disease. We seek to accomplish our mission by applying our proprietary systems-based approach to biomedical research, which we call Network Biology. Our initial focus is in the field of oncology. We have five programs in clinical development. In our most advanced program, we are conducting a Phase 3 clinical trial.

We have devoted substantially all of our resources to our drug discovery and development efforts, including advancing our Network Biology approach, conducting clinical trials for our product candidates, protecting our intellectual property and providing general and administrative support for these operations. We have not generated any revenue from product sales and, to date, have financed our operations primarily through private placements of our convertible preferred stock, collaborations and, to a lesser extent, through government grants, the monetization of tax credits and equipment lease financings. Through March 31, 2012, we have received \$268.2 million from the sale of convertible preferred stock and warrants and \$150.5 million of upfront license fees, milestone payments, reimbursement of development and manufacturing services and other payments from our collaborations. In April 2012, we closed the initial public offering of our common stock pursuant to a registration statement on Form S-1, as amended. We sold an aggregate of 15,042,459 shares of common stock under the registration statement at a public offering price of \$7.00 per share, including 742,459 shares pursuant to the exercise by the underwriters of an over-allotment option. Net proceeds were approximately \$100.5 million, after deducting underwriting discounts and commissions but prior to the payment of remaining offering expenses payable by us and accrued dividends on our Series B convertible preferred stock. As of March 31, 2012, we had cash and cash equivalents of \$30.6 million. We expect our existing cash and cash equivalents on hand as of March 31, 2012, together with the net proceeds from the initial public offering, to be sufficient to fund operations into the second half of 2013.

We have never been profitable and, as of March 31, 2012, we had an accumulated deficit of \$374.1 million. Our net loss was \$23.4 million for the three months ended March 31, 2012 and \$13.5 million for the three months ended March 31, 2011. We expect to continue to incur significant expenses and increasing operating losses for at least the next several years. We expect our research and development expenses to increase in connection with our ongoing activities, particularly as we continue the research, development and clinical trials of our product candidates, including multiple simultaneous clinical trials for certain product candidates, some of which we expect will be entering late stage clinical development. In addition, subject to obtaining regulatory approval of any of our product candidates, we expect to incur significant commercialization expenses for product sales, marketing, manufacturing and distribution. Until such time, if ever, as we can generate substantial product revenues, we expect to finance our cash needs through a combination of equity offerings, debt financings, collaborations, strategic alliances, licensing arrangements and other marketing and distribution arrangements. We may be unable to raise capital when needed or on attractive terms, which would force us to delay, limit, reduce or terminate our research and development programs or commercialization efforts. We will need to generate significant revenues to achieve profitability, and we may never do so.

Strategic Partnerships, Licenses and Collaborations

Sanofi

In September 2009, we entered into a license and collaboration agreement with Sanofi for the development and commercialization of MM-121. Under this agreement, we granted Sanofi an exclusive, royalty-bearing, worldwide right and license to develop and commercialize MM-121 in exchange for payment by Sanofi of an upfront license fee of \$60.0 million, up to \$410.0 million in potential

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development and regulatory milestone payments, of which we have already received \$25.0 million, up to \$60.0 million in potential sales milestone payments and tiered, escalating royalties beginning in the sub-teen double digits based on net sales of MM-121 in the United States and beginning in the high single digits based on net sales of MM-121 outside the United States. Of the \$25.0 million in development and regulatory milestone payments received, \$5.0 million was earned and received in the first quarter of 2012. We have the right, but not the obligation, to co-promote and commercialize MM-121 in the United States and to participate in the development of MM-121 through Phase 2 proof of concept trials, which we are currently conducting. If we co-promote MM-121 in the United States, we will be responsible for paying our sales force costs and a specified percentage of direct medical affairs, marketing and promotion costs for MM-121 in the United States and will be eligible to receive tiered, escalating royalties beginning in the high teens based on net sales of MM-121 in the United States. We are also entitled to an increase in the royalty rate if a diagnostic product is actually used with MM-121 in the treatment of solid tumor indications. Sanofi is responsible for all development and manufacturing costs for MM-121. Although Sanofi will ultimately be responsible for manufacturing MM-121 under the agreement, we are currently manufacturing MM-121 for use in ongoing clinical trials. Sanofi will assume responsibility for all manufacturing of MM-121 at such time as material is needed for Phase 3 clinical trials. Sanofi reimburses us for internal time at a designated full-time equivalent rate per year and reimburses us for direct costs and services related to the development and manufacturing of MM-121.

The timing of cash received from Sanofi differs from revenue recognized for financial statement purposes. We recognize revenue for development services as incurred and recognize revenue for the upfront payment, milestone payments and manufacturing services using the contingency-adjusted performance model over the expected development period, which is currently estimated to be 12 years from the effective date of our agreement with Sanofi. During the three months ended March 31, 2011 and 2012, we recognized revenue based on the following components of the Sanofi agreement:

		Three months ended March 31,				
(in thousands)	20	11		2012		
Upfront payment	\$	1,250	\$	1,250		
Milestone payments		208		1,412		
Development services		4,705		8,142		
Manufacturing services and other		255		521		
Total	\$	6.418	\$	11.325		

Financial Obligations Related to the License and Development of MM-398

In September 2005, Hermes BioSciences, Inc., or Hermes, which we acquired in October 2009, entered into a license agreement with PharmaEngine, Inc., or PharmaEngine, under which PharmaEngine received an exclusive license to research, develop, manufacture and commercialize MM-398 in Europe and certain countries in Asia. In May 2011, we entered into a new agreement with PharmaEngine under which we reacquired all previously licensed rights for MM-398, other than rights to commercialize MM-398 in Taiwan. As a result, we now have the exclusive right to commercialize MM-398 in all territories in the world, except for Taiwan, where PharmaEngine has an exclusive commercialization right. Upon

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entering into the May 2011 agreement with PharmaEngine, we paid PharmaEngine a \$10.0 million upfront license fee. In addition, we made a milestone payment of \$5.0 million to PharmaEngine during the first quarter of 2012 in connection with dosing the first patient in our Phase 3 clinical trial of MM-398. We may be required to make up to an aggregate of \$75.0 million in additional development and regulatory milestone payments and \$130.0 million in additional sales milestone payments to PharmaEngine upon the achievement of specified development, regulatory and annual net sales milestones. PharmaEngine is also entitled to tiered royalties on net sales of MM-398 in Europe and certain countries in Asia. The royalty rates under the agreement range from high single digits up to the low teens as a percentage of our net sales of MM-398 in these territories. Under the May 2011 agreement, we are responsible for all future development costs of MM-398 except those required specifically for regulatory approval in Taiwan. During the three months ended March 31, 2012, we recognized research and development expense of \$5.3 million under the May 2011 agreement with PharmaEngine, which consisted of the \$5.0 million milestone payment and \$0.3 million of research and development reimbursement.

Financial Operations Overview

Revenues

We have not yet generated any revenue from product sales. All of our revenue to date has been derived from license fees, milestone payments and development and manufacturing services and other payments received from collaborations, primarily with Sanofi, and grant payments received from the National Cancer Institute. In the future, we may generate revenue from a combination of product sales, license fees, milestone payments and research, development and manufacturing payments from collaborations and royalties from the sales of products developed under licenses of our intellectual property. We expect that any revenue we generate will fluctuate from quarter to quarter as a result of the timing and amount of license fees, research, development and manufacturing reimbursements, milestone and other payments from collaborations, and the amount and timing of payments that we receive upon the sale of our products, to the extent any are successfully commercialized. We do not expect to generate revenue from product sales until 2014, at the earliest. If we or our collaborators fail to complete the development of our product candidates in a timely manner or obtain regulatory approval for them, our ability to generate future revenue, and our results of operations and financial position, would be materially adversely affected.

Research and development expense

The following table summarizes our principal product development programs, including the related stages of development for each product candidate in development and the research and development expenses allocated to each clinical product candidate. Prior to May 2011, our collaborator, PharmaEngine, led the clinical development of MM-398 with minimal investment by us.

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(in		Current stage of		ths ended March 31,	
thousands)	Indication	development	2011	-,	2012
MM-398	Cancer	Phase 3	\$ 447	\$	7,794
MM-121	Cancer	Phase 2	5,992		8,193
MM-111	Cancer	Phase 1/Phase 2			
		planned	2,262		1,903
MM-302	Cancer	Phase 1	1,345		1,529
MM-151	Cancer	Phase 1	3,265		2,816
Preclinical, general research and discovery			3,990		8,507
Stock compensation			700		909
Total research and development expense			\$ 18,001	\$	31,651

MM-398

MM-398 is currently being evaluated in a Phase 2 clinical trial in pancreatic cancer and in a Phase 3 clinical trial as a therapy in metastatic pancreatic cancer for patients who have failed treatment with gemcitabine. Our current estimate for the external costs associated with completing the Phase 3 clinical trial is between \$17.0 million and \$22.0 million. In May 2011, we made an upfront license payment of \$10.0 million to PharmaEngine. In the first quarter of 2012, we made a milestone payment of \$5.0 million to PharmaEngine in connection with dosing the first patient in our Phase 3 trial. We may be required to make up to an aggregate of \$75.0 million in additional development and regulatory milestone payments and \$130.0 million in additional sales milestone payments to PharmaEngine upon the achievement of specified development, regulatory and annual net sales milestones. PharmaEngine is also entitled to tiered royalties based on net sales of MM-398 in Europe and certain countries in Asia. The royalty rates range from high single digits up to the low teens as a percentage of our net sales of MM-398 in these territories. In addition, several investigator sponsored trials are ongoing in which the majority of the total clinical trial costs are paid by the investigators. Investigator sponsored trials include a Phase 2 clinical trial in colorectal cancer, a Phase 1 clinical trial in colorectal cancer and a Phase 1 clinical trial in glioma.

MM-121

We have entered into a license and collaboration agreement with Sanofi related to MM-121. Under the terms of the agreement, we are responsible for leading clinical development through Phase 2 proof of concept trials for each indication. Although Sanofi will ultimately be responsible for manufacturing MM-121 under the license and collaboration agreement, we are currently manufacturing MM-121 for use in ongoing clinical trials. Sanofi will assume responsibility for all manufacturing of MM-121 at such time as material is needed for Phase 3 clinical trials. All expenses related to manufacturing are required to be reimbursed by Sanofi. Sanofi pays a portion of the estimated manufacturing campaign costs upfront and the remainder during and upon completion of the manufacturing campaign in accordance with an agreed upon budget. We separately record revenue and expenses on a gross basis under this arrangement. Sanofi is responsible for all development and manufacturing costs of MM-121. We are currently conducting three Phase 2 clinical trials, one Phase 1/2 clinical trial and four Phase 1 clinical trials of MM-121 in multiple cancer types. During the third quarter

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of 2010, we received a \$10.0 million milestone payment from Sanofi for dosing the first patient in a proof of concept Phase 2 clinical trial of MM-121 in breast cancer. During the fourth quarter of 2011, we received a \$10.0 million milestone payment from Sanofi for dosing the first patient in a proof of concept Phase 2 clinical trial of MM-121 in non-small cell lung cancer. During the first quarter of 2012, we received a \$5.0 million milestone payment from Sanofi for dosing the first patient in a proof of concept Phase 2 clinical trial of MM-121 in ovarian cancer.
MM-111
We are currently conducting two Phase 1 clinical trials of MM-111 in multiple cancer types.
MM-302
We are currently conducting one Phase 1 clinical trial of MM-302 in breast cancer.
MM-151
We are currently conducting one Phase 1 clinical trial of MM-151 in solid tumors. During the first quarter of 2012, we made a \$1.5 million payment under our collaboration agreement with Adimab LLC.

General and administrative expense

General and administrative expense consists primarily of salaries and other related costs for personnel, including stock-based compensation expenses and benefits, in our executive, legal, intellectual property, business development, finance, purchasing, accounting, information technology, corporate communications, investor relations and human resources departments. Other general and administrative expenses include employee training and development, board of directors costs, depreciation, insurance expenses, facility-related costs not otherwise included in research and development expense, and professional fees for legal services, including patent-related expenses, pre-commercial consulting costs, and accounting and information technology services. We expect that general and administrative expense will increase in future periods in proportion to increases in research and development and as a result of increased payroll, expanded infrastructure, increased consulting, legal, accounting and investor relations expenses associated with being a public company and costs incurred to develop and commercialize our clinical products.

Other income (expense)

Other income and other expense primarily consist of gains and losses on the change in value and time to expiration of convertible preferred stock warrants, the recognition of federal and state sponsored tax incentives and other one-time income or expense-related items.

Critical Accounting Policies and Significant Judgments and Estimates

Our management s discussion and analysis of our financial condition and results of operations is based on our unaudited interim condensed consolidated financial statements, which we have prepared in accordance with the rules and regulations of the Securities and Exchange Commission, or the SEC, and generally accepted accounting principles in the United States for condensed consolidated information. The preparation of these interim condensed consolidated financial statements requires us to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the financial statements, as well as the reported revenues and

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expenses during the reporting periods. We evaluate our estimates and judgments on an ongoing basis. Estimates include revenue recognition, useful lives with respect to long-lived assets and intangibles, valuation of stock options, convertible preferred stock warrants, contingencies, accrued expenses and other, intangible assets, goodwill, in-process research and development and tax valuation reserves. We base our estimates on historical experience and on various other factors that we believe are reasonable under the circumstances, the results of which form the basis for making judgments about the carrying value of assets and liabilities that are not readily apparent from other sources. Our actual results may differ from these estimates under different assumptions or conditions.

Revenue recognition

We enter into biopharmaceutical product development agreements with collaborators for the research and development of therapeutic and diagnostic products. The terms of these agreements may include nonrefundable signing and licensing fees, funding for research, development and manufacturing, milestone payments and royalties on any product sales derived from collaborations. We assess these multiple elements in accordance with the Financial Accounting Standards Board Accounting Standards Codification 605, *Revenue Recognition*, in order to determine whether particular components of the arrangement represent separate units of accounting.

In January 2011, we adopted new authoritative guidance on revenue recognition for multiple element arrangements. This guidance, which applies to multiple element arrangements entered into or materially modified on or after January 1, 2011, amends the criteria for separating and allocating consideration in a multiple element arrangement by modifying the fair value requirements for revenue recognition and eliminating the use of the residual method. The fair value of deliverables under the arrangement may be derived using a best estimate of selling price if vendor specific objective evidence and third-party evidence are not available.

Deliverables under the arrangement will be separate units of accounting provided that a delivered item has value to the customer on a stand-alone basis and if the arrangement does not include a general right of return relative to the delivered item and delivery or performance of the undelivered item is considered probable and substantially in the control of the vendor. We also adopted guidance that permits the recognition of revenue contingent upon the achievement of a milestone in its entirety, in the period in which the milestone is achieved, only if the milestone meets certain criteria and is considered to be substantive. We did not enter into any significant multiple element arrangements or materially modify any of our existing multiple element arrangements during the year ended December 31, 2011 or the three months ended March 31, 2012. Our existing collaboration agreements continue to be accounted for under previously issued revenue recognition guidance for multiple element arrangements and milestone revenue recognition, as described below.

We recognized upfront license payments as revenue upon delivery of the license only if the license had stand-alone value and the fair value of the undelivered performance obligations could be determined. If the fair value of the undelivered performance obligations could be determined, such obligations were accounted for separately as the obligations were fulfilled. If the license was considered to either not have stand-alone value or have stand-alone value but the fair value of any of the undelivered performance obligations could not be determined, the arrangement was accounted for as a single unit of accounting and the license payments and payments for performance obligations were recognized as revenue over the estimated period of when the performance obligations would be performed.

Whenever we determined that an arrangement should be accounted for as a single unit of accounting, we determined the period over which the performance obligations would be performed and revenue would be recognized. If we could not reasonably estimate the timing and the level of effort to

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complete our performance obligations under the arrangement, then we recognized revenue under the arrangement on a straight-line basis over the period that we expected to complete our performance obligations, which is reassessed at each subsequent reporting period.

Our collaboration agreements may include additional payments upon the achievement of performance-based milestones. As milestones are achieved, a portion of the milestone payment, equal to the percentage of the total time that we have performed the performance obligations to date over the total estimated time to complete the performance obligations, multiplied by the amount of the milestone payment, is recognized as revenue upon achievement of such milestone. The remaining portion of the milestone will be recognized over the remaining performance period. Milestones that are tied to regulatory approval are not considered probable of being achieved until such approval is received. Milestones tied to counterparty performance are not included in our revenue model until the performance conditions are met. To date, we have not received any royalty payments or recognized any royalty revenue. We will recognize royalty revenue upon the sale of the related products, provided we have no remaining performance obligations under the arrangement.

We record deferred revenue when payments are received in advance of the culmination of the earnings process. This revenue is recognized in future periods when the applicable revenue recognition criteria have been met.

Contractual matter

We manufacture MM-121 under a license and collaboration agreement with Sanofi. Under this agreement, Sanofi reimburses us for direct costs incurred in manufacturing. During 2009 and 2010, we utilized a third party contractor to perform fill-finish manufacturing services. This third party contractor experienced U.S. Food and Drug Administration, or FDA, inspection issues with its quality control process that resulted in a formal warning letter from the FDA. Following a review by Sanofi and us, some MM-121 was pulled from clinical trial sites and replaced with MM-121 that was filled by a different contractor. Sanofi had requested that we assume financial responsibility for the MM-121 material that was pulled from clinical trial sites. We and Sanofi have since agreed that, during 2012 and 2013, we will reimburse Sanofi approximately \$1.2 million of previously billed amounts. We have recorded a contractual liability of \$1.2 million in accrued expenses and other on the accompanying condensed consolidated balance sheets as of March 31, 2012. Our revenue recognition model for manufacturing services performed under the license and collaboration agreement with Sanofi is to recognize these services over the period of performance, which is currently estimated to be 12 years from the effective date of the agreement. Removal of these previously billed amounts from our revenue recognition model and establishing this contractual liability resulted in an earnings reduction of \$0.2 million for the three months ended March 31, 2012.

JOBS Act

On April 5, 2012, the Jumpstart Our Business Startups Act, or the JOBS Act, was enacted. Among other provisions, the JOBS Act provides that an emerging growth company can take advantage of the extended transition period provided in Section 7(a)(2)(B) of the Securities Act of 1933, as amended, or the Securities Act, for complying with new or revised accounting standards. This allows an emerging growth company to delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. We are electing to delay such adoption of new or revised accounting standards, and as a result, we may not comply with new or revised accounting standards on the relevant dates on which adoption of such standards is required for public companies that are not emerging growth companies. Additionally, we are in the process of evaluating the benefits of relying on other exemptions and reduced reporting requirements provided by the JOBS Act.

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Subject to certain conditions set forth in the JOBS Act, as an emerging growth company, we intend to rely on certain of these exemptions, including not being required to provide an auditor s attestation report on our system of internal controls over financial reporting pursuant to Section 404 of the Sarbanes-Oxley Act of 2002 and comply with any requirement that may be adopted by the Public Company Accounting Oversight Board regarding mandatory audit firm rotation or a supplement to the auditor s report providing additional information about the audit and the financial statements. We may remain an emerging growth company for up to five years, until December 31, 2017, although if the market value of our common stock that is held by non-affiliates exceeds \$700 million as of any June 30 before that time or if we have annual gross revenues of \$1 billion or more in any fiscal year, we would cease to be an emerging growth company as of December 31 of the applicable year.

Results of Operations

Comparison of the three months ended March 31, 2011 and 2012

	Three months ended March 31,			
(in thousands)		2011		2012
Collaboration revenues	\$	6,461	\$	11,344
Research and development expenses		18,001		31,651
General and administrative expenses		3,101		3,728
Loss from operations		(14,641)		(24,035)
Interest income		14		9
Interest expense		(6)		(1)
Other income		1,098		625
Net loss	\$	(13,535)	\$	(23,402)

Collaboration revenues

Collaboration revenues for the three months ended March 31, 2012 were \$11.3 million, compared to \$6.5 million for the three months ended March 31, 2011, an increase of \$4.8 million, or 74%. This increase resulted from increases in development services, milestone and manufacturing revenues recognized under the license and collaboration agreement with Sanofi.

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Research and development expenses
Research and development expenses for the three months ended March 31, 2012 were \$31.7 million, compared to \$18.0 million for the three months ended March 31, 2011, an increase of \$13.7 million, or 76%. This increase was primarily attributable to:
• \$7.3 million of increased MM-398 spending due primarily to a \$5.0 million milestone payment made to PharmaEngine in the first quarter of 2012 and increased costs associated with our Phase 3 clinical trial;
• \$4.5 million of increased spending on preclinical, general research and discovery due to an increase in the number of preclinical programs in our pipeline, the timing of material and supply purchases and an antibody discovery related payment of \$0.4 million made in the first quarter of 2012;
• \$2.2 million of increased MM-121 spending due to initiation of four new clinical trials and increased spending on ongoing clinical trials;
• \$0.2 million of increased MM-302 spending due to increased preclinical and clinical costs; and
• \$0.2 million of increased stock compensation expense due to increased headcount.
These increases were partially offset by the following decreases:
• \$0.4 million of decreased MM-151 spending primarily due to a \$1.9 million decrease in manufacturing costs due to the timing of manufacturing activities, partially offset by a \$1.5 million collaboration payment made during the first quarter of 2012; and
• \$0.4 million of decreased MM-111 spending due to the timing of clinical trial activities.
General and administrative expenses

General and administrative expenses for the three months ended March 31, 2012 were \$3.7 million, compared to \$3.1 million for the three months ended March 31, 2011, an increase of \$0.6 million, or 19%. This increase was primarily attributable to an increase in labor and labor-related costs and an increase in costs related to our initial public offering, which closed in April 2012.

Other income

Other income for the three months ended March 31, 2012 was \$0.6 million, compared to \$1.1 million for the three months ended March 31, 2011, a decrease of \$0.5 million, or 45%. This decrease was primarily due to the absence of a \$1.8 million cash settlement from a former service provider recognized in the first quarter of 2011, partially offset by a \$1.3 million quarter-over-quarter benefit from the remeasurement of fair value of our convertible preferred stock warrants.

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Liquidity and Capital Resources

Sources of liquidity

We have financed our operations to date primarily through private placements of our convertible preferred stock, collaborations, an initial public offering of our common stock and, to a lesser extent, through government grants, the monetization of tax credits and equipment lease financings. Through March 31, 2012, we have received \$268.2 million from the sale of convertible preferred stock and warrants and \$150.5 million of upfront license fees, milestone payments, reimbursement of development and manufacturing services and other payments from our collaborations. In April 2012, we closed the initial public offering of our common stock pursuant to a registration statement on Form S-1, as amended. We sold an aggregate of 15,042,459 shares of common stock under the registration statement at a public offering price of \$7.00 per share, including 742,459 shares pursuant to the exercise by the underwriters of an over-allotment option. Net proceeds were approximately \$100.5 million, after deducting underwriting discounts and commissions but prior to the payment of remaining offering expenses payable by us and accrued dividends on our Series B convertible preferred stock.

As of March 31, 2012, we had cash and cash equivalents of approximately \$30.6 million, of which \$1.6 million related to the cash and cash equivalents held by our majority owned subsidiary Silver Creek Pharmaceuticals, Inc., or Silver Creek, which is consolidated for financial reporting purposes. This \$1.6 million is designated for the operations of Silver Creek.

We made a \$1.5 million payment under our collaboration agreement with Adimab LLC and an antibody discovery related payment of \$0.4 million during the first quarter of 2012.

Cash flows

The following table provides information regarding our cash flows for the three months ended March 31, 2011 and 2012.

(in thousands)	2	Three months e	nded Mai	rch 31, 2012
Cash used in operating activities	\$	(9,944)	\$	(19,403)
Cash used in investing activities		(561)		(426)
Cash provided by (used in) financing activities		12,387		(70)
Net increase (decrease) in cash and cash equivalents	\$	1,882	\$	(19,899)

Operating activities

Cash used in operating activities of \$9.9 million during the three months ended March 31, 2011 was primarily a result of our \$13.5 million net loss, partially offset by non-cash items of \$2.9 million and changes in operating assets and liabilities of \$0.7 million. Cash used in operating activities of \$19.4

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million during the three months ended March 31, 2012 was primarily a result of our net loss of \$23.4 million, partially offset by non-cash items of \$2.0 million and changes in operating assets and liabilities of \$2.0 million, which includes receipt of a \$5.0 million milestone payment under our license and collaboration agreement with Sanofi.
Investing activities
Cash used in investing activities during the three months ended March 31, 2011 and 2012 was primarily due to the purchase of property and equipment.
Financing activities
Cash provided by financing activities of \$12.4 million for the three months ended March 31, 2011 was primarily a result of proceeds of \$12.5 million received for our Series G convertible preferred stock financing received in advance of the closing in April 2011. Cash used in financing activities of \$0.1 million during the three months ended March 31, 2012 was primarily a result of deferred financing costs related to the initial public offering which closed in April 2012 of \$0.2 million, partially offset by proceeds from the issuance of common stock of \$0.1 million.
Funding requirements
As of March 31, 2012, we had cash and cash equivalents of \$30.6 million. In April 2012, we closed the initial public offering of our common stock pursuant to a registration statement on Form S-1, as amended. We sold an aggregate of 15,042,459 shares of common stock under the registration statement at a public offering price of \$7.00 per share, including 742,459 shares pursuant to the exercise by the underwriters of an over-allotment option. Net proceeds were approximately \$100.5 million, after deducting underwriting discounts and commissions but prior to the payment of remaining offering expenses payable by us and accrued dividends on our Series B convertible preferred stock.
We have not completed development of any therapeutic products or companion diagnostics. We expect to continue to incur significant expense and increasing operating losses for at least the next several years. We anticipate that our expenses will increase substantially as we:
• initiate or continue clinical trials of our five most advanced product candidates;
 continue the research and development of our other product candidates;

seek to discover additional product candidates;

• seek regulatory approvals for our product candidates that successfully complete clinical trials;
• establish a sales, marketing and distribution infrastructure and scale up manufacturing capabilities to commercialize products for which we may obtain regulatory approval; and
• add operational, financial and management information systems and personnel, including personnel to support our product development and planned commercialization efforts.
We expect that the net proceeds from our initial public offering, together with our existing cash and cash equivalents, anticipated interest income and anticipated milestone payments and development and manufacturing funding under our collaboration with Sanofi related to MM-121, will enable us to fund our operating expenses and capital expenditure requirements into the second half of 2013. We have based
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this estimate on assumptions that may prove to be wrong, and we could use our available capital resources sooner than we currently expect. Because of the numerous risks and uncertainties associated with the development and commercialization of our product candidates, and the extent to which we enter into collaborations with third parties to participate in their development and commercialization, we are unable to estimate the amounts of increased capital outlays and operating expenditures associated with our current and anticipated clinical trials. Our future capital requirements will depend on many factors, including:

- the progress and results of the clinical trials of our five most advanced product candidates; the success of our collaborations with Sanofi related to MM-121 and PharmaEngine related to MM-398; the scope, progress, results and costs of preclinical development, laboratory testing and clinical trials for our other product candidates; the costs, timing and outcome of regulatory review of our product candidates; the costs of commercialization activities, including product sales, marketing, manufacturing and distribution; the costs of preparing, filing and prosecuting patent applications and maintaining, enforcing and defending intellectual property-related claims;
- the extent to which we acquire or invest in businesses, products and technologies; and
- our ability to establish and maintain additional collaborations on favorable terms, particularly marketing and distribution arrangements for oncology product candidates outside the United States and Europe.

Until such time, if ever, as we can generate substantial product revenues, we expect to finance our cash needs through a combination of equity offerings, debt financings, collaborations, strategic alliances, licensing arrangements and other marketing and distribution arrangements. We do not have any committed external sources of funds, other than our collaboration with Sanofi, which is terminable by Sanofi for convenience upon 180 days prior written notice. To the extent that we raise additional capital through the sale of equity or convertible debt securities, the ownership interest of our stockholders will be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect the rights of our stockholders. Debt financing, if available, may involve agreements that include covenants limiting or restricting our ability to take specific actions, such as incurring additional debt, making capital expenditures or declaring dividends. If we raise additional funds through marketing and distribution arrangements or other collaborations, strategic alliances or licensing arrangements with third parties,

we may have to relinquish valuable rights to our technologies, future revenue streams, research programs or product candidates or to grant licenses on terms that may not be favorable to us. If we are unable to raise additional funds through equity or debt financings when needed, we may be required to delay, limit, reduce or terminate our product development or commercialization efforts or grant rights to develop and market product candidates that we would otherwise prefer to develop and market ourselves.

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Contractual obligations and commitments

On April 3, 2012, upon the closing of our initial public offering, we became required to pay the former holders of Series B convertible preferred stock cash dividends of approximately \$4.3 million. We expect these dividend payments will be made in the second quarter of 2012.

During the first quarter of 2012, we entered into a lease amendment to further expand our office, laboratory and manufacturing space. The amendment leases additional space for a seven year term effective March 2012. The aggregate rent due over the seven year term of the lease amendment is approximately \$2.7 million.

We and Sanofi have agreed that, during 2012 and 2013, we will reimburse Sanofi approximately \$1.2 million of previously billed amounts.

There have been no other material changes to our contractual obligations and commitments outside the ordinary course of business from those disclosed under the heading Management s Discussion and Analysis of Financial Condition and Results of Operations Contractual Obligations and Commitments in our Annual Report on Form 10-K for the year ended December 31, 2011 filed with the SEC on March 30, 2012.

Off-Balance Sheet Arrangements

We did not have during the periods presented, and we do not currently have, any off-balance sheet arrangements, as defined under SEC rules.

Item 3. Quantitative and Qualitative Disclosures About Market Risk.

We are exposed to market risk related to changes in interest rates. Our current investment policy is to invest our cash in a variety of financial instruments, principally deposits, securities issued by the U.S. government and its agencies and money market instruments. The goals of our investment policy are preservation of capital, fulfillment of liquidity needs and fiduciary control of cash and investments. We also seek to maximize income from our investments without assuming significant risk.

Our primary exposure to market risk is interest income sensitivity, which is affected by changes in the general level of interest rates, particularly because our investments are in short-term marketable securities. Due to the short-term duration of our investment portfolio and the low risk profile of our investments, an immediate 10% change in interest rates from levels at March 31, 2012 would not have a material effect on the fair market value of our portfolio. Accordingly, we would not expect our operating results or cash flows to be affected to any significant degree by the effect of a sudden change in market interest rates on our investment portfolio.

We do not believe that our cash, cash equivalents and available-for-sale investments have significant risk of default or illiquidity. While we believe our cash, cash equivalents and available-for-sale investments do not contain excessive risk, we cannot provide absolute assurance that in the future our investments will not be subject to adverse changes in market value. In addition, we maintain significant amounts of cash and cash equivalents at one or more financial institutions that are in excess of federally insured limits.

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Item 4. Controls and Procedures.

Evaluation of Disclosure Controls and Procedures

Our management, with the participation of our Chief Executive Officer and Chief Financial Officer, evaluated the effectiveness of our disclosure controls and procedures as of March 31, 2012. The term disclosure controls and procedures, as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended, or the Exchange Act, means controls and other procedures of a company that are designed to ensure that information required to be disclosed by a company in the reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the SEC s rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by a company in the reports that it files or submits under the Exchange Act is accumulated and communicated to the company s management, including its principal executive and principal financial officers, as appropriate to allow timely decisions regarding required disclosure. Management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving their objectives and management necessarily applies its judgment in evaluating the cost-benefit relationship of possible controls and procedures. Based on the evaluation of our disclosure controls and procedures as of March 31, 2012, our Chief Executive Officer and Chief Financial Officer concluded that, as of such date, our disclosure controls and procedures were effective at the reasonable assurance level.

Changes in Internal Control over Financial Reporting

No change in our internal control over financial reporting (as defined in Rules 13a 15(d) and 15d 15(d) under the Exchange Act) occurred during the three months ended March 31, 2012 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

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PART II

OTHER INFORMATION

Item 1. Legal Proceedings.

We are currently engaged in two ongoing opposition proceedings to European patents in the European Patent Office to narrow or invalidate the claims of patents owned by third parties. We have obtained favorable interim decisions in both oppositions, although both decisions are now under appeal. The ultimate outcome of these oppositions remains uncertain. In addition, we have obtained a favorable decision in a third opposition, which is longer appealable.

We filed our notice of opposition in the first proceeding, opposing a patent (EP 0896586) held by Genentech, Inc., or Genentech, in July 2007 on the grounds of added matter, insufficient disclosure, lack of novelty and lack of inventive step. Amgen and U3 Pharma also opposed the Genentech patent. If the issued claims of the Genentech patent were determined to be valid and construed to cover MM-121 or MM-111, our development and commercialization of these product candidates in Europe could be delayed or prevented. In August 2009, the European Patent Office issued a written decision rejecting several sets of Genentech s claims and upholding the patent solely on the basis of a further set of claims that we believe will not restrict the development or commercialization of MM-121 or MM-111. All parties have appealed this decision. Pending the outcome of the appeal proceedings, the original issued claims of the Genentech patent remain in effect. Each party has submitted written statements regarding the appeal to the European Patent Office. No date has been set for a hearing for the appeal.

We filed our notice of opposition in the second proceeding, opposing a patent (EP 1187634) held by Zensun (Shanghai) Science and Technology Ltd., or Zensun, in September 2008 on the grounds of added matter, insufficient disclosure, lack of novelty and lack of inventive step. If the issued claims of the Zensun patent were determined to be valid and construed to cover MM-111, our development and commercialization of MM-111 in Europe could be delayed or prevented. In August 2010, the European Patent Office issued a written decision revoking Zensun s patent. Zensun has appealed this decision. Pending the outcome of this appeal, the original issued claims of the Zensun patent remain in effect. Each party has submitted written statements regarding the appeal to the European Patent Office. No date has been set for a hearing for the appeal.

We filed our notice of opposition in the third proceeding, opposing a patent (EP 1414494) held by Max-Planck-Gesellschaft zur Forderung der Wissenschaften e.V., or Max-Planck, in December 2009 on the grounds of added matter, insufficient disclosure, lack of novelty and lack of inventive step. A number of other pharmaceutical companies are also opposing the Max-Planck patent. If the issued claims of the Max-Planck patent were determined to be valid and construed to cover MM-121, our development and commercialization of MM-121 in Europe could be delayed or prevented. In December 2011, the European Patent Office issued a written decision revoking Max-Planck s patent. Max-Planck may no longer appeal this decision.

We are not currently a party to any other material legal proceedings.

Item 1A. Risk Factors.

Risks	Related	to Our	Financial	Position	and N	leed for .	Additional (Capital

We have incurred significant losses since our inception, which has raised substantial doubt about our ability to continue as a going concern. We expect to incur losses for the foreseeable future and may never achieve or maintain profitability.

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Since inception, we have incurred significant operating losses. Our net loss was \$23.4 million for the three months ended March 31, 2012, \$79.7 million for the year ended December 31, 2011, \$50.2 million for the year ended December 31, 2010 and \$49.1 million for the year ended December 31, 2009. As of March 31, 2012, we had an accumulated deficit of \$374.1 million. To date, we have financed our operations primarily through private placements of our convertible preferred stock, collaborations and, to a lesser extent, through government grants, the monetization of tax credits and equipment lease financings. We have devoted substantially all of our efforts to research and development, including clinical trials. We have not completed development of any therapeutic product candidates or companion diagnostics. We expect to continue to incur significant expenses and increasing operating losses for at least the next several years. We anticipate that our expenses will

	ibstantially as we:
•	initiate or continue our clinical trials of our five most advanced product candidates;
•	continue the research and development of our other product candidates;
•	seek to discover additional product candidates;
•	seek regulatory approvals for our product candidates that successfully complete clinical trials;
• which we	establish a sales, marketing and distribution infrastructure and scale up manufacturing capabilities to commercialize products for may obtain regulatory approval; and
• developme	add operational, financial and management information systems and personnel, including personnel to support our product ent and planned commercialization efforts.
This will r and clinica selling tho	e and remain profitable, we must succeed in developing and eventually commercializing products with significant market potential. equire us to be successful in a range of challenging activities, including discovering product candidates, completing preclinical testial trials of our product candidates, obtaining regulatory approval for these product candidates and manufacturing, marketing and see products for which we may obtain regulatory approval. We are only in the preliminary stages of some of these activities. We may seed in these activities and may never generate revenues that are significant or large enough to achieve profitability. Even if we do

ng achieve profitability, we may not be able to sustain or increase profitability on a quarterly or annual basis. Our failure to become and remain profitable would depress the value of our company and could impair our ability to raise capital, expand our business, diversify our product offerings or continue our operations. A decline in the value of our company could also cause you to lose all or part of your investment.

We will need substantial additional funding. If we are unable to raise capital when needed, we would be forced to delay, reduce or eliminate our product development programs or commercialization efforts.

We expect our research and development expenses to increase in connection with our ongoing activities, particularly as we continue the research, development and clinical trials of, and seek regulatory approval for, our product candidates. In addition, subject to obtaining regulatory approval of any of our product candidates, we expect to incur significant commercialization expenses for product sales, marketing, manufacturing and distribution. We will need substantial additional funding in connection with our continuing operations. If we are unable to raise capital when needed or on attractive terms, we would be forced to delay, reduce or eliminate our research and development programs or commercialization efforts.

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We expect that our existing cash and cash equivalents, anticipated interest income and anticipated milestone payments and research and
development and manufacturing funding under our license and collaboration agreement with Sanofi related to MM-121, will enable us to fund
our operating expenses and capital expenditure requirements into the second half of 2013. Our future capital requirements will depend on many
factors, including:

the progress and results of the clinical trials of our five most advanced product candidates;
 the success of our collaborations with Sanofi related to MM-121 and PharmaEngine related to MM-398;
 the scope, progress, results and costs of preclinical development, laboratory testing and clinical trials for our other product candidates;
 the costs, timing and outcome of regulatory review of our product candidates;
 the costs of commercialization activities, including product sales, marketing, manufacturing and distribution;
 the costs of preparing, filing and prosecuting patent applications and maintaining, enforcing and defending intellectual property-related claims;
 the extent to which we acquire or invest in businesses, products and technologies; and

arrangements for oncology product candidates outside the United States and Europe.

Conducting preclinical testing and clinical trials is a time-consuming, expensive and uncertain process that takes years to complete, and we may never generate the necessary data required to obtain regulatory approval and achieve product sales. In addition, our product candidates, if approved, may not achieve commercial success. Our commercial revenues, if any, will be derived from sales of products that we do not expect to be commercially available for several years, if at all. Accordingly, we will need to continue to rely on additional financing to achieve our business objectives.

our ability to establish and maintain additional collaborations on favorable terms, particularly marketing and distribution

Raising additional capital may cause dilution to our existing stockholders, restrict our operations or require us to relinquish rights to our technologies or product candidates.

Until such time, if ever, as we can generate substantial product revenues, we expect to finance our cash needs through a combination of equity offerings, debt financings, collaborations, strategic alliances, licensing arrangements and other marketing and distribution arrangements. We do not have any committed external source of funds, other than our collaboration with Sanofi for the development and commercialization of MM-121, which is terminable by Sanofi for convenience upon 180 days prior written notice. To the extent that we raise additional capital through the sale of equity or convertible debt securities, your ownership interest will be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect your rights as a stockholder. Debt financing, if available, may involve agreements that include covenants limiting or restricting our ability to take specific actions, such as incurring additional debt, making capital expenditures or declaring dividends. If we raise additional funds through marketing and distribution arrangements or other collaborations, strategic alliances or licensing arrangements with third parties, we may have to relinquish valuable rights to our technologies, future revenue streams, research programs or product candidates or to grant licenses

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on terms that may not be favorable to us. If we are unable to raise additional funds through equity or debt financings when needed, we may be required to delay, limit, reduce or terminate our product development or commercialization efforts or grant rights to develop and market product candidates that we would otherwise prefer to develop and market ourselves.

Risks Related to the Development and Commercialization of Our Product Candidates

We depend heavily on the success of our five most advanced product candidates. All of our product candidates are still in preclinical and clinical development. Clinical trials of our product candidates may not be successful. If we are unable to commercialize our product candidates, or experience significant delays in doing so, our business will be materially harmed.

We have invested a significant portion of our efforts and financial resources in the acquisition of rights to MM-398 and the development of our four other most advanced product candidates for the treatment of various types of cancer. All of our therapeutic product candidates are still in preclinical and clinical development. Our ability to generate product revenues, which we do not expect will occur for at least the next several years, if ever, will depend heavily on the successful development and eventual commercialization of these product candidates. The success of our product candidates, which include both our therapeutic product candidates and companion diagnostic candidates, will depend on several factors, including the following:

- successful enrollment in, and completion of, preclinical studies and clinical trials;
- receipt of marketing approvals from the FDA and similar regulatory authorities outside the United States for our product candidates, including our companion diagnostics;
- establishing commercial manufacturing capabilities, either by building such facilities ourselves or making arrangements with third party manufacturers;
- launching commercial sales of the product, whether alone or in collaboration with others;
- acceptance of the product by patients, the medical community and third party payors;
- effectively competing with other therapies;

a continued acceptable safety profile of the product following approval; and

• qualifying for, maintaining, enforcing and defending intellectual property rights and claims.		
If we do not achieve one or more of these factors in a timely manner or at all, we could experience significant delays or an inability to successfully commercialize our product candidates, which would materially harm our business.		
If clinical trials of our product candidates fail to demonstrate safety and efficacy to the satisfaction of the FDA or similar regulatory authorities outside the United States or do not otherwise produce positive results, we may incur additional costs or experience delays in completing, or ultimately be unable to complete, the development and commercialization of our product candidates.		
Before obtaining regulatory approval for the sale of our product candidates, we must conduct extensive clinical trials to demonstrate the safety and efficacy of our product candidates in humans. Clinical testing is expensive, difficult to design and implement, can take many years to complete and is		
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uncertain as to outcome. A failure of one or more of our clinical trials can occur at any stage of testing. The outcome of preclinical testing and early clinical trials may not be predictive of the success of later clinical trials, and interim results of a clinical trial do not necessarily predict final results.

For example, the favorable results from a Phase 2 clinical trial of MM-398 in patients with metastatic pancreatic cancer may not be predictive of success in our Phase 3 clinical trial of MM-398 for the same indication, in particular because the trials have different efficacy endpoints and the Phase 2 trial was a single arm study that did not compare MM-398 to other therapies. Our Phase 3 trial is designed to compare the efficacy of MM-398 against a combination of 5-FU and leucovorin based on an expected efficacy endpoint of statistically significant difference in overall survival. In addition, preclinical and clinical data are often susceptible to varying interpretations and analyses, and many companies that have believed their product candidates performed satisfactorily in preclinical studies and clinical trials have nonetheless failed to obtain marketing approval of their products.

We may experience numerous unforeseen events during, or as a result of, clinical trials that could delay or prevent our ability to receive regulatory approval or commercialize our product candidates, including:

- regulators or institutional review boards may not authorize us or our investigators to commence a clinical trial or conduct a clinical trial at a prospective trial site;
- clinical trials of our product candidates may produce negative or inconclusive results, and we may decide, or regulators may require us, to conduct additional clinical trials or abandon product development programs;
- the number of patients required for clinical trials of our product candidates may be larger than we anticipate, enrollment in these clinical trials may be insufficient or slower than we anticipate or patients may drop out of these clinical trials at a higher rate than we anticipate;
- our third party contractors may fail to comply with regulatory requirements or meet their contractual obligations to us in a timely manner, or at all;
- we might have to suspend or terminate clinical trials of our product candidates for various reasons, including a finding that the patients are being exposed to unacceptable health risks;
- regulators or institutional review boards may require that we or our investigators suspend or terminate clinical research for various reasons, including noncompliance with regulatory requirements;

•	the cost of clinical trials of our product candidates may be greater than we anticipate;
• be insuffic	the supply or quality of our product candidates or other materials necessary to conduct clinical trials of our product candidates may client or inadequate; and
• suspend or	our product candidates may have undesirable side effects or other unexpected characteristics, causing us or our investigators to reminate the trials.
	ole, due to a lack of efficacy in clinical trials, we suspended internal development of our product candidate MM-093, a potential c for autoimmune diseases. We subsequently terminated our development program for this product candidate and licensed it to a third
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In addition, MM-398 is currently being evaluated in a Phase 2 clinical trial in colorectal cancer, which is being conducted by GERCOR, a cooperative research group of physicians based in France. This trial is comparing a regimen of fluorouracil, or 5-FU, leucovorin and MM-398 to FOLFIRI, which is a regimen of 5-FU, leucovorin and irinotecan. Roche recently announced positive top-line results from a Phase 3 clinical trial in second-line metastatic colorectal cancer being conducted in France comparing chemotherapy to chemotherapy plus Avastin®. The results of this trial by Roche could impact clinical practice in France, including the use of the FOLFIRI regimen, which could affect enrollment in this Phase 2 clinical trial of MM-398. We are currently evaluating what impact, if any, these results will have on the clinical trial and any action we or GERCOR may need to take.

If we are required to conduct additional clinical trials or other testing of our product candidates beyond those that we currently contemplate, if we are unable to successfully complete clinical trials of our product candidates or other testing, if the results of these trials or tests are not positive or are only modestly positive or if there are safety concerns, we may:

•	be delayed in obtaining marketing approval for our product candidates;
•	not obtain marketing approval at all;
•	obtain approval for indications that are not as broad as intended;
•	have the product removed from the market after obtaining marketing approval;
•	be subject to additional post-marketing testing requirements;
•	be subject to restrictions on how the product is distributed or used; or

In particular, it is possible that the FDA and other regulatory agencies may not consider the results of our Phase 3 clinical trial of MM-398 for the treatment of patients with metastatic pancreatic cancer, once completed, to be sufficient for approval of MM-398 for this indication. In general, the FDA suggests two adequate and well-controlled clinical trials to demonstrate effectiveness because a conclusion based on two persuasive studies will be more secure. Although the FDA has informed us that our Phase 3 clinical trial of MM-398, plus supportive Phase 2 data obtained to date, could potentially provide sufficient safety and effectiveness data for the treatment of patients with metastatic pancreatic cancer, the FDA has further advised us that whether one or two adequate and well controlled clinical trials will be required will be a review issue in connection with a new drug application, or NDA, submission. Even if we achieve favorable results in our Phase 3 clinical trial, the FDA may

be unable to obtain reimbursement for use of the product.

nonetheless require that we conduct additional clinical trials, possibly using a different design. In addition, if we are unable to demonstrate comparability between MM-398 Phase 1 and Phase 2 clinical material manufactured by PharmaEngine and the material produced by us for use in our Phase 3 clinical trial of MM-398, we may be required to complete additional studies, including clinical studies, which could delay the development and approval, if any, of MM-398.

Our product development costs will also increase if we experience delays in testing or approvals. We do not know whether any clinical trials will begin as planned, will need to be restructured or will be completed on schedule, or at all. For example, in August 2011, the FDA informed us that, before initiating a Phase 1 clinical trial of MM-151, among other things, we needed to submit additional preclinical data from our ongoing toxicology studies. In particular, the FDA requested data on the formation of antibodies against MM-151 in the test animals included in our ongoing toxicology studies.

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As a result, the FDA placed our investigational new drug application, or IND, for MM-151 on clinical hold until we provided all of the information that the FDA had requested. We provided this information to the FDA in November 2011. In December 2011, the FDA notified us that the clinical hold had been removed and that we could initiate the Phase 1 clinical trial.

Significant clinical trial delays also could shorten any periods during which we may have the exclusive right to commercialize our product candidates or allow our competitors to bring products to market before we do and impair our ability to commercialize our product candidates and may harm our business and results of operations.

If serious adverse or inappropriate side effects are identified during the development of our product candidates, we may need to abandon our development of some of our product candidates.

All of our product candidates are still in preclinical or clinical development and their risk of failure is high. It is impossible to predict when or if any of our product candidates will prove effective or safe in humans or will receive regulatory approval. Currently marketed therapies for solid tumors are generally limited to some extent by their toxicity. Use of our product candidates as monotherapies in clinical trials also has resulted in adverse events consistent in nature with other marketed therapies. When used in combination with other marketed therapies, our product candidates may exacerbate adverse events associated with the marketed therapy. If our product candidates result in undesirable side effects or have characteristics that are unexpected, we may need to abandon their development.

If we experience delays in the enrollment of patients in our clinical trials, our receipt of necessary regulatory approvals could be delayed or prevented.

We may not be able to initiate or continue clinical trials for our product candidates if we are unable to locate and enroll a sufficient number of eligible patients to participate in these trials as required by the FDA or other regulatory authorities. In addition, many of our competitors have ongoing clinical trials for product candidates that could be competitive with our product candidates. Patients who would otherwise be eligible for our clinical trials may instead enroll in clinical trials of our competitors product candidates or rely upon treatment with existing therapies that may preclude them from eligibility for our clinical trials.

Enrollment delays in our clinical trials may result in increased development costs for our product candidates, which would cause the value of the company to decline and limit our ability to obtain additional financing. Our inability to enroll a sufficient number of patients for any of our current or future clinical trials would result in significant delays or may require us to abandon one or more clinical trials altogether.

In general, we forecast enrollment for our clinical trials based on experience from previous clinical trials and monitor enrollment to be able to make adjustments to clinical trials when appropriate, including as a result of slower than expected enrollment that we experience from time to time in our clinical trials. For example, we experienced slower than expected enrollment in our Phase 2 clinical trial of MM-121 in combination with exemestane for hormone-sensitive breast cancer. In response, we revised the entry criteria for the clinical trial to correspond with changes in clinical practice and also expanded the number of sites and countries participating in the clinical trial. It is possible that slow enrollment in other clinical trials in the future could require us to make similar adjustments. If these adjustments do not overcome problems with slow enrollment, we could experience significant delays or abandon the applicable clinical trial altogether.

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If we are unable to successfully develop companion diagnostics for our therapeutic product candidates, or experience significant delays in doing so, we may not realize the full commercial potential of our therapeutics.

An important component of our business strategy is to develop *in vitro* or *in vivo* companion diagnostics for each of our therapeutic product candidates. There has been limited success to date industry-wide in developing companion diagnostics, in particular *in vitro* companion diagnostics. To be successful, we will need to address a number of scientific, technical, regulatory and logistical challenges.

Although we have developed prototype assays for some *in vitro* diagnostic candidates, all of our companion diagnostic candidates are in preclinical development or clinical feasibility testing. We have limited experience in the development of diagnostics and may not be successful in developing appropriate diagnostics to pair with any of our therapeutic product candidates that receive marketing approval. The FDA and similar regulatory authorities outside the United States are generally expected to regulate *in vitro* companion diagnostics as medical devices and *in vivo* companion diagnostics as drugs. In each case, companion diagnostics require separate regulatory approval prior to commercialization. Given our limited experience in developing diagnostics, we expect to rely in part on third parties for their design, development and manufacture. If we, or any third parties that we engage to assist us, are unable to successfully develop companion diagnostics for our therapeutic product candidates, or experience delays in doing so, the development of our therapeutic product candidates may be adversely affected, our therapeutic product candidates may not receive marketing approval and we may not realize the full commercial potential of any therapeutics that receive marketing approval. As a result, our business would be harmed, possibly materially.

Even if any of our product candidates, including our five most advanced product candidates, receive regulatory approval, they may fail to achieve the degree of market acceptance by physicians, patients, healthcare payors and others in the medical community necessary for commercial success.

If any of our product candidates, including our five most advanced product candidates, receive marketing approval, they may nonetheless not gain sufficient market acceptance by physicians, patients, healthcare payors and others in the medical community. If these products do not achieve an adequate level of acceptance, we may not generate significant product revenues and we may not become profitable. The degree of market acceptance of our product candidates, if approved for commercial sale, will depend on a number of factors, including:

- the prevalence and severity of any side effects;
- efficacy and potential advantages compared to alternative treatments;
- the price we charge for our product candidates;
- convenience and ease of administration compared to alternative treatments;

•	the willingness of the target patient population to try new therapies and of physicians to prescribe these therapies;
• with our th	our ability to successfully develop companion diagnostics that effectively identify patient populations likely to benefit from treatment nerapeutic products;
•	the strength of marketing and distribution support; and
•	sufficient third party coverage or reimbursement.
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If we are unable to establish sales and marketing capabilities or enter into agreements with third parties to sell and market our product candidates, we may not be successful in commercializing our product candidates.

We do not have a sales or marketing infrastructure and have no experience in the sale, marketing or distribution of therapeutic products. To achieve commercial success for any approved product, we must either develop a sales and marketing organization or outsource these functions to third parties. Our current plan for our oncology products, other than MM-121, for which we receive marketing approval is to market and sell these products ourselves in the United States and Europe and to establish distribution or other marketing arrangements with third parties for these products in the rest of the world. We plan to co-promote MM-121 in the United States with Sanofi, which otherwise holds worldwide commercialization rights to this product candidate.

There are risks involved with both establishing our own sales and marketing capabilities and entering into arrangements with third parties to perform these services. For example, recruiting and training a sales force is expensive and time-consuming and could delay any product launch. If the commercial launch of a product candidate for which we recruit a sales force and establish marketing capabilities is delayed or does not occur for any reason, we would have prematurely or unnecessarily incurred these commercialization expenses. This may be costly, and our investment would be lost if we cannot retain or reposition our sales and marketing personnel.

Establishing effective sales, marketing and distribution capabilities and infrastructure in Europe may be particularly difficult for us. We have no prior experience in these areas. In addition, there are complex regulatory, tax, labor and other legal requirements imposed by both the European Union and many of the individual countries in Europe with which we will need to comply. Many U.S.-based biopharmaceutical companies have found the process of marketing their own products in Europe to be very challenging.

We also may not be successful entering into arrangements with third parties to sell and market our product candidates or doing so on terms that are favorable to us. We likely will have little control over such third parties, and any of them may fail to devote the necessary resources and attention to sell and market our products effectively. If we do not establish sales and marketing capabilities successfully, either on our own or in collaboration with third parties, we will not be successful in commercializing our product candidates.

We face substantial competition, which may result in others discovering, developing or commercializing products before or more successfully than we do.

The development and commercialization of new therapeutic and diagnostic products is highly competitive. We face competition with respect to our current product candidates, and will face competition with respect to any products that we may seek to develop or commercialize in the future, from major pharmaceutical companies, specialty pharmaceutical companies and biotechnology companies worldwide. Several large pharmaceutical and biotechnology companies currently market and sell products for the treatment of the solid tumor indications for which we are developing our product candidates. Potential competitors also include academic institutions, government agencies and other public and private research organizations that conduct research, seek patent protection and establish collaborative arrangements for research, development, manufacturing and commercialization. Many of these competitors are attempting to develop therapeutics for our target indications.

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We are developing our product candidates for the treatment of solid tumors. There are a variety of available therapies marketed for solid tumors. In many cases, these drugs are administered in combination to enhance efficacy. Some of these drugs are branded and subject to patent protection, and others are available on a generic basis, including some of the active ingredients in MM-398 and MM-302. Many of these approved drugs are well established therapies and are widely accepted by physicians, patients and third party payors. This may make it difficult for us to achieve our business strategy of replacing existing therapies with our product candidates.

There are also a number of products in late stage clinical development to treat solid tumors. Our competitors may develop products that are more effective, safer, more convenient or less costly than any that we are developing or that would render our product candidates obsolete or non-competitive. Our competitors may also obtain FDA or other regulatory approval for their products more rapidly than we may obtain approval for ours.

Many of our competitors have significantly greater financial resources and expertise in research and development, manufacturing, preclinical testing, conducting clinical trials, obtaining regulatory approvals and marketing approved products than we do. Mergers and acquisitions in the pharmaceutical, biotechnology and diagnostic industries may result in even more resources being concentrated among a smaller number of our competitors. Smaller or early stage companies may also prove to be significant competitors, particularly through collaborative arrangements with large and established companies. These third parties compete with us in recruiting and retaining qualified scientific and management personnel, establishing clinical trial sites and patient registration for clinical trials, as well as in acquiring technologies complementary to, or necessary for, our programs.

If we are able to commercialize any product candidates, the products may become subject to unfavorable pricing regulations, third party reimbursement practices or healthcare reform initiatives, thereby harming our business.

The regulations that govern marketing approvals, pricing and reimbursement for new therapeutic and diagnostic products vary widely from country to country. Some countries require approval of the sale price of a product before it can be marketed. In many countries, the pricing review period begins after marketing or product licensing approval is granted. In some foreign markets, prescription pharmaceutical pricing remains subject to continuing governmental control even after initial approval is granted. As a result, we might obtain regulatory approval for a product in a particular country, but then be subject to price regulations that delay our commercial launch of the product and negatively impact the revenues we are able to generate from the sale of the product in that country. Adverse pricing limitations may hinder our ability to recoup our investment in one or more product candidates, even if our product candidates obtain regulatory approval.

Our ability to commercialize any products successfully also will depend in part on the extent to which reimbursement for these products and related treatments will be available from government health administration authorities, private health insurers and other organizations. Government authorities and third party payors, such as private health insurers and health maintenance organizations, decide which medications they will pay for and establish reimbursement levels. A primary trend in the U.S. healthcare industry and elsewhere is cost containment. Government authorities and these third party payors have attempted to control costs by limiting coverage and the amount of reimbursement for particular medications. Increasingly, third party payors are requiring that companies provide them with predetermined discounts from list prices and are challenging the prices charged for medical products. We cannot be sure that reimbursement will be available for any product that we commercialize and, if reimbursement is available, what the level of reimbursement will be. Reimbursement may impact the demand for, or the price of, any product for which we obtain marketing approval. Obtaining

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reimbursement for our products may be particularly difficult because of the higher prices often associated with products administered under the supervision of a physician. If reimbursement is not available or is available only to limited levels, we may not be able to successfully commercialize any product candidate that we successfully develop.

There may be significant delays in obtaining reimbursement for approved products, and coverage may be more limited than the purposes for which the product is approved by the FDA or regulatory authorities in other countries. Moreover, eligibility for reimbursement does not imply that any product will be paid for in all cases or at a rate that covers our costs, including research, development, manufacture, sale and distribution. Interim payments for new products, if applicable, may also not be sufficient to cover our costs and may not be made permanent. Payment rates may vary according to the use of the product and the clinical setting in which it is used, may be based on payments allowed for lower cost products that are already reimbursed, and may be incorporated into existing payments for other services. Net prices for products may be reduced by mandatory discounts or rebates required by government healthcare programs or private payors and by any future relaxation of laws that presently restrict imports of products from countries where they may be sold at lower prices than in the United States. Third party payors often rely upon Medicare coverage policy and payment limitations in setting their own reimbursement policies. Our inability to promptly obtain coverage and profitable payment rates from both government funded and private payors for new products that we develop could have a material adverse effect on our operating results, our ability to raise capital needed to commercialize products and our overall financial condition.

Product liability lawsuits against us could cause us to incur substantial liabilities and to limit commercialization of any products that we may develop.

We face an inherent risk of product liability exposure related to the testing of our product candidates in human clinical trials and will face an even greater risk if we commercially sell any products that we may develop. If we cannot successfully defend ourselves against claims that our product candidates or products caused injuries, we will incur substantial liabilities. Regardless of merit or eventual outcome, liability claims may result in:

- decreased demand for any product candidates or products that we may develop;
- injury to our reputation and significant negative media attention;
- withdrawal of patients from clinical trials;
- significant costs to defend the related litigation;
- substantial monetary awards to patients;

loss of revenue; and
 the inability to commercialize any products that we may develop.

We currently hold \$10.0 million in product liability insurance coverage, which may not be adequate to cover all liabilities that we may incur. Insurance coverage is increasingly expensive. We may not be able to maintain insurance coverage at a reasonable cost or in an amount adequate to satisfy any liability that may arise.

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We may expend our limited resources to pursue a particular product candidate or indication and fail to capitalize on product candidates or indications that may be more profitable or for which there is a greater likelihood of success.

Because we have limited financial and managerial resources, we focus on research programs and product candidates for specific indications. As a result, we may forego or delay pursuit of opportunities with other product candidates or other indications that later prove to have greater commercial potential. Our resource allocation decisions may cause us to fail to capitalize on viable commercial products or profitable market opportunities. Our spending on current and future research and development programs and product candidates for specific indications may not yield any commercially viable products.

We have based our research and development efforts on our Network Biology approach. Notwithstanding our large investment to date and anticipated future expenditures in Network Biology, we have not yet developed, and may never successfully develop, any marketed products using this approach. As a result of pursuing our Network Biology approach, we may fail to address or develop product candidates or indications based on other scientific approaches that may offer greater commercial potential or for which there is a greater likelihood of success.

We also may not be successful in our efforts to identify or discover additional product candidates through our Network Biology approach. Research programs to identify new product candidates require substantial technical, financial and human resources. These research programs may initially show promise in identifying potential product candidates, yet fail to yield product candidates for clinical development.

If we do not accurately evaluate the commercial potential or target market for a particular product candidate, we may relinquish valuable rights to that product candidate through collaboration, licensing or other royalty arrangements in cases in which it would have been advantageous for us to retain sole development and commercialization rights.

We plan to establish separately funded companies for the development of product candidates using our Network Biology approach in some areas outside the oncology field. These companies may not be successful in the development and commercialization of any product candidates.

We plan to apply our Network Biology approach to multiple additional disease areas outside the oncology field. We expect to do so in some cases through the establishment of separately funded companies. For example, we established Silver Creek to develop product candidates in the field of regenerative medicine using Network Biology. Silver Creek has received separate funding from investors other than us. Although Silver Creek is currently majority owned by us, in the future we may not be the majority owner of or control Silver Creek or other companies that we establish. If in the future we do not control Silver Creek or any future similar company that we establish, Silver Creek or such other companies could take actions that we do not endorse or with which we disagree, such as using Network Biology in a way that reflects adversely on us. In addition, these companies may have difficulty raising additional funds and could encounter any of the risks in developing and commercializing product candidates to which we are subject.

If we fail to comply with environmental, health and safety laws and regulations, we could become subject to fines or penalties or incur costs that could have a material adverse effect on the success of our business.

We are subject to numerous environmental, health and safety laws and regulations, including those governing laboratory procedures and the handling, use, storage, treatment and disposal of hazardous materials and wastes. Our operations involve the use of hazardous and flammable materials, including

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chemicals and radioactive and biological materials. Our operations also produce hazardous waste products. We generally contract with third parties for the disposal of these materials and wastes. We also store certain low level radioactive waste at our facilities until the materials can be properly disposed of. We cannot eliminate the risk of contamination or injury from these materials. In the event of contamination or injury resulting from our use of hazardous materials, we could be held liable for any resulting damages, and any liability could exceed our resources. We also could incur significant costs associated with civil or criminal fines and penalties.

Although we maintain workers—compensation insurance to cover us for costs and expenses we may incur due to injuries to our employees resulting from the use of hazardous materials, this insurance may not provide adequate coverage against potential liabilities. We do not maintain insurance for environmental liability or toxic tort claims that may be asserted against us in connection with our storage or disposal of biological, hazardous or radioactive materials.

In addition, we may be required to incur substantial costs to comply with current or future environmental, health and safety laws and regulations. These current or future laws and regulations may impair our research, development or production efforts. Failure to comply with these laws and regulations also may result in substantial fines, penalties or other sanctions.

Risks Related to Our Dependence on Third Parties

The successful development and commercialization of MM-121 depends substantially on our collaboration with Sanofi. If Sanofi is unable to further develop or commercialize MM-121, or experiences significant delays in doing so, our business will be materially harmed.

MM-121 is one of our most clinically advanced product candidates. In 2009, we entered into a license and collaboration agreement with Sanofi for the development and commercialization of MM-121. Prior to this collaboration, we did not have a history of working together with Sanofi. The collaboration involves a complex allocation of rights, provides for milestone payments to us based on the achievement of specified development, regulatory and commercial sale milestones and provides us with royalty-based revenue if MM-121 is successfully commercialized. We cannot predict the success of the collaboration.

Under our license and collaboration agreement, Sanofi has significant control over the conduct and timing of development and commercialization efforts with respect to MM-121. Although we and Sanofi have approved a global development plan, Sanofi may change its development plans for MM-121. We have little control over the amount and timing of resources that Sanofi devotes to the development or commercialization of MM-121. If Sanofi fails to devote sufficient financial and other resources to the development or commercialization of MM-121, the development and commercialization of MM-121 would be delayed or could fail. This would result in a delay in our receiving milestone payments or royalties with respect to MM-121 or in our not receiving such milestone payments or royalties at all.

If we do not satisfy various conditions under our license and collaboration agreement with Sanofi, we will not realize all of the anticipated benefits under the agreement and our business would be materially harmed.

Our license and collaboration agreement with Sanofi contains a number of conditions that we must satisfy in order to receive milestone payments and royalties. For example, Sanofi has agreed to pay us milestones if sales of products containing MM-121 reach certain levels. If we do not achieve any of the milestones contained in the agreement, we will not receive all of the payments or revenues that we might otherwise receive under the agreement had we achieved such milestones.

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If we lose Sanofi as a collaborator in the development or commercialization of MM-121, it would materially harm our business.

Sanofi has the right to terminate our agreement for the development and commercialization of MM-121, in whole or with respect to specified territories, at any time and for any reason, upon 180 days prior written notice. Sanofi also has the right to terminate our agreement if we fail to cure a material breach of our agreement within a specified cure period, or fail to diligently pursue a cure if such a breach is not curable within such period.

If Sanofi terminates our agreement at any time, whether on the basis of our uncured material breach or for any other reason, it would delay or prevent our development of MM-121 and materially harm our business and could accelerate our need for additional capital. In particular, we would have to fund the clinical development and commercialization of MM-121 on our own, seek another collaborator or licensee for such clinical development and commercialization or abandon the development and commercialization of MM-121.

The successful development and commercialization of MM-398 currently depend on our collaboration with PharmaEngine. If PharmaEngine does not provide clinical trial data to us, our business may be materially harmed.

We have a collaboration with PharmaEngine for the development of MM-398. Under this collaboration, PharmaEngine has rights to commercialize MM-398 in Taiwan, while we hold commercialization rights in all other countries, including the United States. PharmaEngine also has the opportunity to participate in the development of MM-398, for which we are reimbursing their costs. We cannot predict the success of the collaboration. The collaboration involves an allocation of rights, provides for milestone payments by us to PharmaEngine based on the achievement of specified milestones and provides for us to pay PharmaEngine royalties on sales of MM-398 in Europe and specified Asian countries if MM-398 is successfully commercialized in Europe and such specified Asian countries.

We rely on PharmaEngine to provide data and information to us from trials they have conducted and are currently conducting. This information is necessary for our development of MM-398 in the United States. If PharmaEngine does not provide this information to us, our development of MM-398 could be significantly delayed and our costs could increase significantly.

We may depend on collaborations with third parties for the development and commercialization of our product candidates. If those collaborations are not successful, we may not be able to capitalize on the market potential of these product candidates.

Our business plan is to enter into distribution and other marketing arrangements for our oncology products in areas of the world outside of the United States and Europe. In addition, depending on our capital requirements, development and commercialization costs, need for additional therapeutic expertise and other factors, it is possible that we will enter into broader development and commercialization arrangements with respect to either oncology product candidates in addition to MM-121 or product candidates in other therapeutic areas in the United States or Europe or other territories. In particular, while we expect to apply our Network Biology approach to some other disease areas through arrangements similar to Silver Creek, it is also possible that we will seek to enter into licensing agreements or other types of collaborations for the application of our Network Biology approach.

Our likely collaborators for any distribution, marketing, licensing or broader collaboration arrangements include large and mid-size pharmaceutical companies, regional and national pharmaceutical

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companies and biotechnology companies. We will have limited control over the amount and timing of resources that our collaborators dedicate
to the development or commercialization of our product candidates. Our ability to generate revenues from these arrangements will depend on
our collaborators abilities to successfully perform the functions assigned to them in these arrangements.

Collaborations involving our product candidates, including our collaboration with Sanofi, pose the following risks to us:

- collaborators have significant discretion in determining the efforts and resources that they will apply to these collaborations;
- collaborators may not pursue development and commercialization of our product candidates or may elect not to continue or renew development or commercialization programs based on clinical trial results, changes in their strategic focus or available funding, or external factors such as an acquisition that diverts resources or creates competing priorities;
- collaborators may delay clinical trials, provide insufficient funding for a clinical trial program, stop a clinical trial or abandon a product candidate, repeat or conduct new clinical trials or require a new formulation of a product candidate for clinical testing;
- collaborators could independently develop, or develop with third parties, products that compete directly or indirectly with our products or product candidates if the collaborators believe that competitive products are more likely to be successfully developed or can be commercialized under terms that are more economically attractive;
- a collaborator with marketing and distribution rights to one or more products may not commit sufficient resources to their marketing and distribution;
- collaborators may not properly maintain or defend our intellectual property rights or may use our proprietary information in such a way as to invite litigation that could jeopardize or invalidate our proprietary information or expose us to potential litigation;
- disputes may arise between us and the collaborators that result in the delay or termination of the research, development or commercialization of our product candidates or that result in costly litigation or arbitration that diverts management attention and resources; and
- collaborations may be terminated and, if terminated, may result in a need for additional capital to pursue further development or commercialization of the applicable product candidates.

Collaboration agreements may not lead to development or commercialization of product candidates in the most efficient manner or at all. In addition, there have been a significant number of recent business combinations among large pharmaceutical companies that have resulted in a reduced number of potential future collaborators. If a present or future collaborator of ours were to be involved in a business combination, the continued pursuit and emphasis on our product development or commercialization program could be delayed, diminished or terminated.

If we are not able to establish additional collaborations, we may have to alter our development plans.

Our product development programs and the potential commercialization of our product candidates will require substantial additional cash to fund expenses. For some of our product candidates,

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we may decide to collaborate with pharmaceutical and biotechnology companies for the development and potential commercialization of those product candidates.

We face significant competition in seeking appropriate collaborators. Collaborations are complex and time-consuming to negotiate and document. We may also be restricted under existing collaboration agreements from entering into agreements on certain terms with other potential collaborators. We may not be able to negotiate collaborations on acceptable terms, or at all. If that were to occur, we may have to curtail the development of a particular product candidate, reduce or delay its development program or one or more of our other development programs, delay its potential commercialization or reduce the scope of our sales or marketing activities, or increase our expenditures and undertake development or commercialization activities at our own expense. If we elect to increase our expenditures to fund development or commercialization activities on our own, we may need to obtain additional capital, which may not be available to us on acceptable terms or at all. If we do not have sufficient funds, we will not be able to bring our product candidates to market and generate product revenue.

We rely on third parties to conduct our clinical trials, and those third parties may not perform satisfactorily, including failing to meet deadlines for the completion of such trials.

We do not independently conduct clinical trials of our product candidates. We rely on third parties, such as contract research organizations, clinical data management organizations, medical institutions and clinical investigators, to perform this function. Our reliance on these third parties for clinical development activities reduces our control over these activities but does not relieve us of our responsibilities. We remain responsible for ensuring that each of our clinical trials is conducted in accordance with the general investigational plan and protocols for the trial. Moreover, the FDA requires us to comply with standards, commonly referred to as good clinical practices, for conducting, recording and reporting the results of clinical trials to assure that data and reported results are credible and accurate and that the rights, integrity and confidentiality of patients in clinical trials are protected. Furthermore, these third parties may also have relationships with other entities, some of which may be our competitors. If these third parties do not successfully carry out their contractual duties, meet expected deadlines or conduct our clinical trials in accordance with regulatory requirements or our stated protocols, we will not be able to obtain, or may be delayed in obtaining, regulatory approvals for our product candidates and will not be able to, or may be delayed in our efforts to, successfully commercialize our product candidates.

We also rely on other third parties to store and distribute supplies for our clinical trials. Any performance failure on the part of our existing or future distributors could delay clinical development or regulatory approval of our product candidates or commercialization of our products or cause us to incur additional costs, producing additional losses and depriving us of potential product revenue.

Risks Related to the Manufacturing of Our Product Candidates

We have limited experience in manufacturing our product candidates. We will need to upgrade and expand our manufacturing facility and augment our manufacturing personnel and processes in order to meet our business plans. If we fail to do so, we may not have sufficient drug product to meet our clinical development and commercial requirements.

We have a manufacturing facility located at our corporate headquarters in Cambridge, Massachusetts. We manufacture drug substance at this facility that we use for research and development purposes and for clinical trials of our product candidates. We do not have experience in

manufacturing products at commercial scale. Our current facility may not be sufficient to permit manufacturing of our antibody product candidates for Phase 3 clinical trials or commercial sale. In order to meet our business plan, which contemplates our internally manufacturing drug substance for most of our clinical trials and,

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over the long-term, for a significant portion of our commercial requirements, we will need to upgrade and expand our manufacturing facilities, add manufacturing personnel and ensure that validated processes are consistently implemented in our facilities. The upgrade and expansion of our facilities will require additional regulatory approvals. In addition, it will be costly and time-consuming to expand our facilities and recruit necessary additional personnel. If we are unable to expand our manufacturing facilities in compliance with regulatory requirements or to hire additional necessary manufacturing personnel, we may encounter delays or additional costs in achieving our research, development and commercialization objectives, including in obtaining regulatory approvals of our product candidates, which could materially damage our business and financial position.

If our sole clinical manufacturing facility is damaged or destroyed or production at this facility is otherwise interrupted, our business and prospects would be negatively affected.

If the manufacturing facility at our corporate headquarters or the equipment in it is damaged or destroyed, we may not be able to quickly or inexpensively replace our manufacturing capacity or replace it at all. In the event of a temporary or protracted loss of this facility or equipment, we might not be able to transfer manufacturing to a third party. Even if we could transfer manufacturing to a third party, the shift would likely be expensive and time-consuming, particularly since the new facility would need to comply with the necessary regulatory requirements and we would need FDA approval before selling any products manufactured at that facility. Such an event could delay our clinical trials or, if our product candidates are approved by the FDA, reduce our product sales.

Currently, we maintain insurance coverage against damage to our property and equipment and to cover business interruption and research and development restoration expenses. If we have underestimated our insurance needs with respect to an interruption in our clinical manufacturing of our product candidates, we may not be able to cover our losses.

Any other interruption of production at our manufacturing facility also could damage our business. For example, in 2009, we experienced a viral contamination at this facility that required that we shut the facility entirely for decontamination. Because of this contamination, the FDA placed a partial clinical hold on our MM-121 IND until we submitted supporting documentation to the FDA regarding our decontamination procedures. Although we were able to resolve this issue, with the FDA lifting the partial clinical hold in April 2010, other companies have experienced similar contamination problems, and we could experience a similar problem in the future that is more difficult to resolve and could lead to a clinical hold.

We expect to continue to contract with third parties for at least some aspects of the production of our product candidates for clinical trials and for our products if they are approved for marketing. This increases the risk that we will not have sufficient quantities of our product candidates or products or such quantities at an acceptable cost, which could delay, prevent or impair our development or commercialization efforts.

We currently rely on third party manufacturers for some aspects of the production of our product candidates for preclinical testing and clinical trials, including fill-finish and labeling activities. In addition, while we believe that our existing manufacturing facilities, or additional facilities that we will be able to build, will be sufficient to meet our requirements for manufacturing a significant portion of drug substance for our research and development activities, we may need to rely on third party manufacturers for some of these requirements, particularly later stage clinical trials of our antibody product candidates, and, at least in the near term, for commercial supply of any product candidates for which we obtain marketing approval.

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We do not have any agreements with third party manufacturers for the clinical or commercial supply of any of our product candidates, and we may be unable to conclude such agreements or to do so on acceptable terms. Reliance on third party manufacturers entails additional risks, including:

- reliance on the third party for regulatory compliance and quality assurance;
- the possible breach of the manufacturing agreement by the third party; and
- the possible termination or nonrenewal of the agreement by the third party at a time that is costly or inconvenient for us.

Third party manufacturers may not be able to comply with current good manufacturing practices, or cGMP, or Quality System Regulation, or QSR, or similar regulatory requirements outside the United States. Our failure, or the failure of our third party manufacturers, to comply with applicable regulations could result in sanctions being imposed on us, including fines, injunctions, civil penalties, delays, suspension or withdrawal of approvals, license revocation, seizures or recalls of products, operating restrictions and criminal prosecutions, any of which could significantly and adversely affect supplies of our products.

Any products that we may develop may compete with other product candidates and products for access to manufacturing facilities. There are a limited number of manufacturers that operate under cGMP or QSR regulations and that might be capable of manufacturing for us.

We currently rely on single suppliers for the resins, media and filters that we use for our manufacturing process. We purchase these materials from our suppliers on a purchase order basis and do not have long-term supply agreements in place. Any performance failure or refusal to supply on the part of our existing or future suppliers could delay clinical development, marketing approval or commercialization of our products. If our current suppliers cannot perform as agreed, we may be required to replace one or more of these suppliers. Although we believe that there are a number of potential long-term replacements to each supplier, we may incur added costs and delays in identifying and qualifying any such replacements.

We likely will rely upon third party manufacturers to provide us with necessary reagents and instruments to develop, test and manufacture our *in vitro* companion diagnostics. Currently, many reagents are marketed as Research Use Only, or RUO, products under FDA regulations. In June 2011, the FDA issued a draft guidance that outlined the FDA s intention to impose additional restrictions on the provision of RUO products. If this guidance is finalized, we may experience difficulty securing the reagents that we need.

Our potential future dependence upon others for the manufacture of our product candidates may adversely affect our future profit margins and our ability to commercialize any products that receive regulatory approval on a timely and competitive basis.

One of our fill-finish contractors received a warning letter from the FDA, which impacted our clinical trials of MM-121 and MM-111.

A third party contractor that we have used to fill and package both MM-121 and MM-111 experienced FDA inspection issues with its quality control processes that resulted in a formal warning letter from the FDA. Following a review by Sanofi and us, some MM-121 was pulled from clinical trial sites and replaced with MM-121 that was filled by a different contractor. This restocking is complete and resulted in a few patients missing one or two doses of MM-121. Sanofi had requested that we assume

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financial responsibility for the MM-121 material that was pulled from clinical trial sites. We and Sanofi have since agreed that, during 2012 and 2013, we will reimburse Sanofi approximately \$1.2 million of previously billed amounts.

The MM-111 that was being used in our clinical trials was also filled and packaged by this same contractor. The FDA inquired about the effect of this contractor is quality issues on MM-111 clinical trial materials. Following our response to the FDA is inquiry, the FDA requested in January 2012 that we obtain new consents from any patients enrolled in our ongoing Phase 1 clinical trials of MM-111 in connection with continued use in these trials of MM-111 material filled and packaged by this contractor. In addition, the FDA placed a partial clinical hold on these ongoing clinical trials, which restricted our ability to enroll new patients in these trials, until MM-111 material filled and packaged by a new third party contractor that we engaged was available. This restocking is complete and resulted in a short delay in the dosing of a few patients without any patients missing a dose.

Although we believe that we have addressed the concerns of the FDA with respect to the clinical trial material filled and packaged by our former third party contractor, it is possible that the FDA could make additional inquiries that could further impact our clinical trials of MM-121.

Risks Related to Our Intellectual Property

If we fail to comply with our obligations in our intellectual property licenses with third parties, we could lose license rights that are important to our business.

We are a party to a number of intellectual property license agreements with third parties, including with respect to MM-398, MM-121 and MM-111, and expect to enter into additional license agreements in the future. Our existing license agreements impose, and we expect that our future license agreements will impose, various diligence, milestone payment, royalty, insurance and other obligations on us. If we fail to comply with these obligations, our licensors may have the right to terminate these agreements, in which event we might not be able to develop and market any product that is covered by these agreements. Termination of these licenses or reduction or elimination of our licensed rights may result in our having to negotiate new or reinstated licenses with less favorable terms. The occurrence of such events could materially harm our business.

If we are unable to obtain and maintain patent protection for our technology and products, or if our licensors are unable to obtain and maintain patent protection for the technology or products that we license from them, our competitors could develop and commercialize technology and products similar or identical to ours, and our ability to successfully commercialize our technology and products may be adversely affected.

Our success depends in large part on our and our licensors ability to obtain and maintain patent protection in the United States and other countries with respect to our proprietary technology and products. In some circumstances, we may not have the right to control the preparation, filing and prosecution of patent applications, or to maintain the patents, covering technology or products that we license from third parties. Therefore, we cannot be certain that these patents and applications will be prosecuted and enforced in a manner consistent with the best interests of our business. In addition, if third parties who license patents to us fail to maintain such patents, or lose rights to those patents, the rights we have licensed may be reduced or eliminated.

We have sought to protect our proprietary position by filing patent applications in the United States and abroad related to our novel technologies and products that are important to our business. This process is expensive and time-consuming, and we may not be able to file and prosecute all necessary or

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desirable patent applications at a reasonable cost or in a timely manner. It is also possible that we will fail to identify patentable aspects of our research and development output before it is too late to obtain patent protection. Under our license and collaboration agreement with Sanofi, we are obligated, at our expense, to use commercially reasonable efforts to file and prosecute patent applications, and maintain patents, covering MM-121 in specified jurisdictions, and these patent rights are licensed to Sanofi.

The patent position of biotechnology and pharmaceutical companies generally is highly uncertain, involves complex legal and factual questions and has in recent years been the subject of much litigation. As a result, the issuance, scope, validity, enforceability and commercial value of our and our licensors patent rights are highly uncertain. Our and our licensors pending and future patent applications may not result in patents being issued which protect our technology or products or which effectively prevent others from commercializing competitive technologies and products. Changes in either the patent laws or interpretation of the patent laws in the United States and other countries may diminish the value of our patents or narrow the scope of our patent protection. The laws of foreign countries may not protect our rights to the same extent as the laws of the United States. Publications of discoveries in the scientific literature often lag behind the actual discoveries, and patent applications in the United States and other jurisdictions are typically not published until 18 months after filing, or in some cases not at all. Therefore, we cannot be certain that we or our licensors were the first to make the inventions claimed in our owned and licensed patents or pending patent applications, or that we or our licensors were the first to file for patent protection of such inventions. Assuming the other requirements for patentability are met, currently, in the United States, the first to make the claimed invention is entitled to the patent, while outside the United States, the first to file a patent application is entitled to the patent. In 2013, under the recently enacted America Invents Act, the United States will be moving to a first to file system. We may become involved in opposition or interference proceedings challenging our patent rights or the patent rights of others. An adverse determination in any such proceeding could reduce the scope of, or invalidate, our patent rights, allow third parties to commercialize our technology or products and compete directly with us, without payment to us, or result in our inability to manufacture or commercialize products without infringing third party patent rights.

Even if our owned and licensed patent applications issue as patents, they may not issue in a form that will provide us with any meaningful protection, prevent competitors from competing with us or otherwise provide us with any competitive advantage. Our competitors may be able to circumvent our owned or licensed patents by developing similar or alternative technologies or products in a non-infringing manner. The issuance of a patent is not conclusive as to its scope, validity or enforceability, and our owned and licensed patents may be challenged in the courts or patent offices in the United States and abroad. Such challenges may result in patent claims being narrowed, invalidated or held unenforceable, which could limit our ability to stop or prevent us from stopping others from using or commercializing similar or identical technology and products, or limit the duration of the patent protection of our technology and products. Given the amount of time required for the development, testing and regulatory review of new product candidates, patents protecting such candidates might expire before or shortly after such candidates are commercialized. As a result, our owned and licensed patent portfolio may not provide us with sufficient rights to exclude others from commercializing products similar or identical to ours.

We may become involved in lawsuits to protect or enforce our patents, which could be expensive, time-consuming and unsuccessful.

Competitors may infringe our patents. To counter infringement or unauthorized use, we may be required to file infringement claims, which can be expensive and time-consuming. In addition, in an infringement proceeding, a court may decide that a patent of ours is invalid or unenforceable, or may refuse to stop the other party from using the technology at issue on the grounds that our patents do not

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cover the technology in question. An adverse result in any litigation proceeding could put one or more of our patents at risk of being invalidated or interpreted narrowly. Furthermore, because of the substantial amount of discovery required in connection with intellectual property litigation, there is a risk that some of our confidential information could be compromised by disclosure during this type of litigation.

Third parties may initiate legal proceedings alleging that we are infringing their intellectual property rights, the outcome of which would be uncertain and could have a material adverse effect on the success of our business.

Our commercial success depends upon our ability and the ability of our collaborators to develop, manufacture, market and sell our product candidates and use our proprietary technologies without infringing the proprietary rights of third parties. We may become party to, or threatened with, future adversarial proceedings or litigation regarding intellectual property rights with respect to our products and technology, including interference proceedings before the U.S. Patent and Trademark Office. Third parties may assert infringement claims against us based on existing patents or patents that may be granted in the future. If we are found to infringe a third party s intellectual property rights, we could be required to obtain a license from such third party to continue developing and marketing our products and technology. However, we may not be able to obtain any required license on commercially reasonable terms or at all. Even if we were able to obtain a license, it could be non-exclusive, thereby giving our competitors access to the same technologies licensed to us. We could be forced, including by court order, to cease commercializing the infringing technology or product. In addition, we could be found liable for monetary damages. A finding of infringement could prevent us from commercializing our product candidates or force us to cease some of our business operations, which could materially harm our business. Claims that we have misappropriated the confidential information or trade secrets of third parties can have a similar negative impact on our business.

For example, we are aware of issued U.S. patents held by Genentech broadly covering methods of producing certain types of recombinant antibodies and related compositions for antibody production that may be relevant to our development and commercialization of MM-121 and MM-151. These patents expire in 2018. Genentech has asserted infringement claims against several pharmaceutical and biotechnology companies based on these patents. If these patents were determined to be valid and cover our product candidates, we would need to obtain a license to the patented technology, which may cause us to incur licensing related costs. However, a license to these patents may not be available on commercially reasonable terms, or at all. Our failure to obtain a license to these patents could delay or prevent our development and commercialization of our product candidates in the United States.

We may be subject to claims that our employees have wrongfully used or disclosed alleged trade secrets of their former employers.

Many of our employees were previously employed at universities or other biotechnology or pharmaceutical companies, including our competitors or potential competitors. Although we try to ensure that our employees do not use the proprietary information or know-how of others in their work for us, we may be subject to claims that we or these employees have used or disclosed intellectual property, including trade secrets or other proprietary information, of any such employee s former employer. Litigation may be necessary to defend against these claims. If we fail in defending any such claims, in addition to paying monetary damages, we may lose valuable intellectual property rights or personnel. Even if we are successful in defending against such claims, litigation could result in substantial costs and be a distraction to management.

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We are currently engaged in two ongoing opposition proceedings to European patents in the European Patent Office. If we are not successful in these proceedings, we may not be able to commercialize some of our product candidates without infringing patents held by third parties.

We are currently engaged in two ongoing opposition proceedings to European patents in the European Patent Office to narrow or invalidate the claims of patents owned by third parties. For more information, see Part II, Item 1. Legal Proceedings in this Quarterly Report on Form 10-Q. We have obtained favorable interim decisions in both oppositions, although both decisions are now under appeal. The ultimate outcome of these oppositions remains uncertain. If we are not ultimately successful in these proceedings, and the issued claims of the patents we are opposing were determined to be valid and construed to cover MM-121 or MM-111, we may not be able to commercialize MM-121 or MM-111 in some or all European countries without infringing such patents. If we infringe a valid claim of these patents, we would need to obtain a license to the patented technology, which may cause us to incur licensing-related costs. For example, under our license and collaboration agreement with Sanofi, we are obligated to pay all licensing costs for specified third party patent rights that we or Sanofi may in the future license for the development and commercialization of MM-121, including the patent rights that are the subject of both of these opposition proceedings. However, a license to the patents that are the subject of these opposition proceedings may not be available on commercially reasonable terms or at all. As a result, we could be liable for monetary damages or we may be forced to delay, suspend, forego or cease commercializing these product candidates in some or all countries in Europe if we were found to infringe a valid claim of these patents. In addition, even if we are ultimately successful in these European opposition proceedings, such results would be limited to our activities in Europe.

We are also aware of issued or pending counterparts to some of these European patents in the United States that may be relevant to our development and commercialization of MM-121. If these patents were determined to be valid and construed to cover MM-121, our development and commercialization of MM-121 in the United States could be delayed or prevented.

Intellectual property litigation could cause us to spend substantial resources and distract our personnel from their normal responsibilities.

Even if resolved in our favor, litigation or other legal proceedings relating to intellectual property claims may cause us to incur significant expenses, and could distract our technical and management personnel from their normal responsibilities. In addition, there could be public announcements of the results of hearings, motions or other interim proceedings or developments and if securities analysts or investors perceive these results to be negative, it could have a substantial adverse effect on the price of our common stock. Such litigation or proceedings could substantially increase our operating losses and reduce our resources available for development activities. We may not have sufficient financial or other resources to adequately conduct such litigation or proceedings. Some of our competitors may be able to sustain the costs of such litigation or proceedings more effectively than we can because of their substantially greater financial resources. Uncertainties resulting from the initiation and continuation of patent litigation or other proceedings could have a material adverse effect on our ability to compete in the marketplace.

If we are unable to protect the confidentiality of our trade secrets, our business and competitive position would be harmed.

In addition to our patented technology and products, we rely on trade secrets, including unpatented know-how, technology and other proprietary information, to maintain our competitive position. We seek to protect these trade secrets, in part, by entering into non-disclosure and confidentiality agreements with parties that have access to them, such as our employees, corporate collaborators, outside

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scientific collaborators, sponsored researchers, contract manufacturers, consultants, advisors and other third parties. We also enter into confidentiality and invention or patent assignment agreements with our employees and consultants. In addition, any of these parties may breach the agreements and disclose our proprietary information, and we may not be able to obtain adequate remedies for such breaches. Enforcing a claim that a party illegally disclosed or misappropriated a trade secret is difficult, expensive and time-consuming, and the outcome is unpredictable. In addition, some courts inside and outside the United States are less willing or unwilling to protect trade secrets. If any of our trade secrets were to be lawfully obtained or independently developed by a competitor, we would have no right to prevent them from using that technology or information to compete with us. If any of our trade secrets were to be disclosed to or independently developed by a competitor, our competitive position would be harmed.

Risks Related to Regulatory Approval of Our Product Candidates

If we are not able to obtain required regulatory approvals, we will not be able to commercialize our product candidates, and our ability to generate revenue will be materially impaired.

Our product candidates, including our five most advanced product candidates, and the activities associated with their development and commercialization, including their design, testing, manufacture, safety, efficacy, recordkeeping, labeling, storage, approval, advertising, promotion, sale and distribution, are subject to comprehensive regulation by the FDA and other regulatory agencies in the United States and by comparable authorities in other countries. Failure to obtain regulatory approval for a product candidate will prevent us from commercializing the product candidate. We have not received regulatory approval to market any of our product candidates in any jurisdiction. We have only limited experience in filing and supporting the applications necessary to gain regulatory approvals and expect to rely on third party contract research organizations to assist us in this process. Securing regulatory approval requires the submission of extensive preclinical and clinical data and supporting information to the FDA and other regulatory agencies for each therapeutic indication to establish the product candidate s safety and efficacy. Securing regulatory approval also requires the submission of information about the product manufacturing process to, and inspection of manufacturing facilities by, the FDA or other regulatory agencies. Our product candidates may not be effective, may be only moderately effective or may prove to have undesirable or unintended side effects, toxicities or other characteristics that may preclude our obtaining regulatory approval or prevent or limit commercial use.

The process of obtaining regulatory approvals is expensive, may take many years if additional clinical trials are required, if approval is obtained at all, and can vary substantially based upon a variety of factors, including the type, complexity and novelty of the product candidates involved. Changes in regulatory approval policies during the development period, changes in or the enactment of additional statutes or regulations, or changes in regulatory review for each submitted product application, may cause delays in the approval or rejection of an application. Regulatory agencies have substantial discretion in the approval process and may refuse to accept any application or may decide that our data is insufficient for approval and require additional preclinical, clinical or other studies. In addition, varying interpretations of the data obtained from preclinical and clinical testing could delay, limit or prevent regulatory approval of a product candidate. Any regulatory approval we ultimately obtain may be limited or subject to restrictions or post-approval commitments that render the approved product not commercially viable.

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If we pursue development of a companion diagnostic to identify patients who are likely to benefit from a therapeutic product, failure to obtain approval for the diagnostic may prevent or delay approval of the therapeutic product.

We are attempting to develop companion diagnostics to identify patients who are likely to benefit from our therapeutic product candidates. All of our companion diagnostic candidates are in preclinical development or clinical feasibility testing. We have very limited experience in the development of diagnostics and, even with the help of third parties with greater experience, may fail to obtain the required diagnostic product marketing approval, which could prevent or delay approval of the therapeutic product.

In July 2011, the FDA issued draft guidance that stated that if safe and effective use of a therapeutic depends on an *in vitro* diagnostic, then the FDA generally will not approve the therapeutic unless the FDA approves or clears this *in vitro* companion diagnostic device at the same time that the FDA approves the therapeutic. The approval or clearance of the *in vitro* diagnostic most likely will occur through the FDA s Center for Devices and Radiological Health Office of In Vitro Diagnostic Device Evaluation and Safety. It is unclear whether the FDA will finalize this guidance in its current format, or when it will do so. Even if the FDA does finalize the guidance, it is unclear how it will interpret the guidance. Even with the issuance of the draft guidance, the FDA s expectations for *in vitro* companion diagnostics remain unclear in some respects. The FDA s developing expectations will affect our *in vitro* companion diagnostics. In particular, the FDA may limit our ability to use retrospective data, otherwise disagree with our approaches to trial design, biomarker qualification, clinical and analytical validity and clinical utility, or make us repeat aspects of the trial or initiate new trials.

Because our companion diagnostic candidates are at an early stage of development, we cannot yet know what the FDA will require for any of these tests. For three of our five most advanced product candidates, MM-121, MM-111 and MM-151, we are attempting to develop an *in vitro* companion diagnostic that will help identify patients likely to benefit from the therapy. Whether the FDA will consider these *in vitro* diagnostics to be *in vitro* companion diagnostic devices that require simultaneous approval or clearance with the therapeutics under the draft guidance will depend on whether the FDA views the diagnostics to be essential to the safety and efficacy of these therapeutics.

For our two other most advanced product candidates, MM-398 and MM-302, although we are investigating possible *in vitro* companion diagnostics, we are currently developing *in vivo* companion diagnostics in the form of imaging agents that may help identify patients likely to benefit from the therapy. Imaging agents are regulated as drugs by the FDA s Center for Drug Evaluation and Research and, as such, are generally subject to the regulatory requirements applicable to other new drug candidates. Although the FDA has not issued guidance with respect to the simultaneous approval of *in vivo* diagnostics and therapeutics, it is possible that the FDA will apply a standard similar to that for *in vitro* diagnostics.

Based on the FDA s past practice with companion diagnostics, if we are successful in developing a companion diagnostic for any of our five most advanced product candidates, we would expect that FDA approval of an *in vitro* companion diagnostic, and possibly an *in vivo* companion diagnostic, would be required for approval and subsequent commercialization of each such therapeutic product candidate. We are not aware of any currently available diagnostics that, if necessary, would otherwise allow us to proceed with the approval and subsequent commercialization of our product candidates despite a delay in or failure of our attempts to develop companion diagnostics.

If we fail to obtain or maintain orphan drug exclusivity for MM-398, we will have to rely on other rights and protections for this product candidate.

We have obtained orphan drug designation in the United States and orphan medicinal product designation in the European Union for MM-398 for the treatment of pancreatic cancer. In the United States, under the Orphan Drug Act, the FDA may designate a product as an orphan drug if it is a drug

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intended to treat a rare disease or condition, which is generally defined as a patient population of fewer than 200,000 individuals in the United States.

In the United States, the company that first obtains FDA approval for a designated orphan drug for the specified rare disease or condition receives orphan drug marketing exclusivity for that drug for a period of seven years. This orphan drug exclusivity prevents the FDA from approving another application, including a full NDA, to market the same drug for the same orphan indication, except in limited circumstances. For purposes of small molecule drugs, the FDA defines the term—same drug—to mean a drug that contains the same active molecule and that is intended for the same use as the approved orphan drug. Orphan drug exclusivity may be lost if the FDA determines that the request for designation was materially defective or if the manufacturer is unable to assure sufficient quantity of the drug to meet the needs of patients with the rare disease or condition.

Even if we obtain orphan drug exclusivity for a product, that exclusivity may not effectively protect the product from competition because different drugs can be approved for the same condition. Even after an orphan drug is approved, the FDA can subsequently approve the same drug for the same condition if the FDA concludes that the later drug is clinically superior in that it is shown to be safer, more effective or makes a major contribution to patient care.

The European Medicines Agency, or EMA, grants orphan medicinal product designation to promote the development of products that may offer therapeutic benefits for life-threatening or chronically debilitating conditions affecting not more than five in 10,000 people in the European Union. Orphan medicinal product designation from the EMA provides ten years of marketing exclusivity following drug approval, subject to reduction to six years if the designation criteria are no longer met.

Our therapeutic product candidates for which we intend to seek approval as biological products may face competition sooner than expected.

With the enactment of the Biologics Price Competition and Innovation Act of 2009, or BPCIA, as part of the Health Care and Education Reconciliation Act of 2010, or the Health Care Reform Law, an abbreviated pathway for the approval of biosimilar and interchangeable biological products was created. The new abbreviated regulatory pathway establishes legal authority for the FDA to review and approve biosimilar biologics, including the possible designation of a biosimilar as interchangeable based on their similarity to existing brand product. Under the BPCIA, an application for a biosimilar product cannot be approved by the FDA until 12 years after the original branded product was approved under a biologics license application, or BLA. The new law is complex and is only beginning to be interpreted and implemented by the FDA. As a result, its ultimate impact, implementation and meaning is subject to uncertainty. While it is uncertain when any such processes may be fully adopted by the FDA, any such processes could have a material adverse effect on the future commercial prospects for our biological products.

We believe that any of our products approved as a biological product under a BLA should qualify for the 12-year period of exclusivity. However:

• the U.S. Congress could amend the BPCIA to significantly shorten this exclusivity period as proposed by President Obama;

• a potential competitor could seek and obtain approval of its own BLA during our exclusivity period instead of seeking approval of a biosimilar version; and

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• the FDA could consider a particular product candidate, such as MM-302, which contains both drug and biological product components, to be a drug subject to review pursuant to an NDA, and therefore eligible for a significantly shorter marketing exclusivity period as provided under the Drug Price Competition and Patent Term Restoration Act of 1984.

Moreover, the extent to which a biosimilar, once approved, will be substituted for any one of our reference products in a way that is similar to traditional generic substitution for non-biological products is not yet clear and will depend on a number of marketplace and regulatory factors that are still developing.

Failure to obtain regulatory approval in international jurisdictions would prevent us from marketing our products abroad.

We intend to market our products both within and outside the United States. In particular, we plan to market and sell ourselves any products for which we receive marketing approval in the European Union, rather than relying on third parties for these capabilities. This may increase the risks described below with respect to our compliance with foreign regulations.

In order to market and sell our products in the European Union and many other jurisdictions, we must obtain separate regulatory approvals and comply with numerous and varying regulatory requirements. The approval procedure varies among countries and can involve additional testing, including sometimes additional testing in children. The time required to obtain approval in foreign countries may differ substantially from that required to obtain FDA approval. The regulatory approval process outside the United States generally includes all of the risks associated with obtaining FDA approval. In addition, in many countries outside the United States, it is required that the product be approved for reimbursement before the product can be sold in that country. We may not obtain approvals from regulatory authorities outside the United States on a timely basis, if at all. Approval by the FDA does not ensure approval by regulatory authorities in other countries or jurisdictions, and approval by one regulatory authority outside the United States does not ensure approval by regulatory authorities in other countries or jurisdictions or by the FDA. We may not be able to file for regulatory approvals and may not receive necessary approvals to commercialize our products in any market.

Any product for which we obtain marketing approval could be subject to restrictions or withdrawal from the market and we may be subject to penalties if we fail to comply with regulatory requirements or if we experience unanticipated problems with our products, when and if any of them are approved.

Any product for which we obtain marketing approval, along with the manufacturing processes, post-approval clinical data, labeling, advertising and promotional activities for such product, will be subject to continual requirements of and review by the FDA and other regulatory authorities. These requirements include submissions of safety and other post-marketing information and reports, registration and listing requirements, cGMP or QSR requirements relating to quality control, quality assurance and corresponding maintenance of records and documents, requirements regarding the distribution of samples to physicians and recordkeeping. Even if regulatory approval of a product is granted, the approval may be subject to limitations on the indicated uses for which the product may be marketed or to the conditions of approval, or contain requirements for costly post-marketing testing and surveillance to monitor the safety or efficacy of the product. Later discovery of previously unknown problems with our products, manufacturers or manufacturing processes, or failure to comply with regulatory requirements, may result in actions such as:

restrictions on such products, manufacturers or manufacturing processes;

• restrictions on the marketing of a product;

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future earnings.

•	restrictions on product distribution;	
•	requirements to conduct post-marketing clinical trials;	
•	warning or untitled letters;	
•	withdrawal of the products from the market;	
•	refusal to approve pending applications or supplements to approved applications that we submit;	
•	recall of products;	
•	fines, restitution or disgorgement of profits or revenue;	
•	suspension or withdrawal of regulatory approvals;	
•	refusal to permit the import or export of our products;	
•	product seizure; or	
•	injunctions or the imposition of civil or criminal penalties.	
Our relationships with customers and payors will be subject to applicable anti-kickback, fraud and abuse and other healthcare laws and		

regulations, which could expose us to criminal sanctions, civil penalties, contractual damages, reputational harm and diminished profits and

Healthcare providers, physicians and others play a primary role in the recommendation and prescription of any products for which we obtain marketing approval. Our future arrangements with third party payors and customers may expose us to broadly applicable fraud and abuse and other healthcare laws and regulations that may constrain the business or financial arrangements and relationships through which we market, sell and distribute our products for which we obtain marketing approval. Restrictions under applicable federal and state healthcare laws and regulations, include the following:

- the federal healthcare anti-kickback statute prohibits, among other things, persons from knowingly and willfully soliciting, offering, receiving or providing remuneration, directly or indirectly, in cash or in kind, to induce or reward either the referral of an individual for, or the purchase, order or recommendation of, any good or service, for which payment may be made under federal healthcare programs such as Medicare and Medicaid;
- the federal False Claims Act imposes criminal and civil penalties, including civil whistleblower or qui tam actions, against individuals or entities for knowingly presenting, or causing to be presented, to the federal government, claims for payment that are false or fraudulent or making a false statement to avoid, decrease or conceal an obligation to pay money to the federal government;
- the federal Health Insurance Portability and Accountability Act of 1996, as amended by the Health Information Technology for Economic and Clinical Health Act, imposes criminal and civil liability for executing a scheme to defraud any healthcare benefit program and also imposes obligations, including mandatory contractual terms, with respect to safeguarding the privacy, security and transmission of individually identifiable health information;

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- the federal false statements statute prohibits knowingly and willfully falsifying, concealing or covering up a material fact or making any materially false statement in connection with the delivery of or payment for healthcare benefits, items or services;
- the federal transparency requirements under the Health Care Reform Law requires manufacturers of drugs, devices, biologics and medical supplies to report to the Department of Health and Human Services information related to physician payments and other transfers of value and physician ownership and investment interests; and
- analogous state laws and regulations, such as state anti-kickback and false claims laws, may apply to sales or marketing arrangements and claims involving healthcare items or services reimbursed by non-governmental third party payors, including private insurers, and some state laws require pharmaceutical companies to comply with the pharmaceutical industry s voluntary compliance guidelines and the relevant compliance guidance promulgated by the federal government in addition to requiring manufacturers to report information related to payments to physicians and other health care providers or marketing expenditures.

Efforts to ensure that our business arrangements with third parties will comply with applicable healthcare laws and regulations will involve substantial costs. It is possible that governmental authorities will conclude that our business practices may not comply with current or future statutes, regulations or case law involving applicable fraud and abuse or other healthcare laws and regulations. If our operations are found to be in violation of any of these laws or any other governmental regulations that may apply to us, we may be subject to significant civil, criminal and administrative penalties, damages, fines, exclusion from government funded healthcare programs, such as Medicare and Medicaid, and the curtailment or restructuring of our operations. If any of the physicians or other providers or entities with whom we expect to do business with are found to be not in compliance with applicable laws, they may be subject to criminal, civil or administrative sanctions, including exclusions from government funded healthcare programs.

Recently enacted and future legislation may increase the difficulty and cost for us to obtain marketing approval of and commercialize our product candidates and affect the prices we may obtain.

In the United States and some foreign jurisdictions, there have been a number of legislative and regulatory changes and proposed changes regarding the healthcare system that could prevent or delay marketing approval of our product candidates, restrict or regulate post-approval activities and affect our ability to profitably sell any products for which we obtain marketing approval.

In the United States, the Medicare Prescription Drug, Improvement, and Modernization Act of 2003, or the Medicare Modernization Act, changed the way Medicare covers and pays for pharmaceutical products. The legislation expanded Medicare coverage for drug purchases by the elderly and introduced a new reimbursement methodology based on average sales prices for physician administered drugs. In addition, this legislation provided authority for limiting the number of drugs that will be covered in any therapeutic class. Cost reduction initiatives and other provisions of this legislation could decrease the coverage and price that we receive for any approved products. While the Medicare Modernization Act applies only to drug benefits for Medicare beneficiaries, private payors often follow Medicare coverage policy and payment limitations in setting their own reimbursement rates. Therefore, any reduction in reimbursement that results from the Medicare Modernization Act may result in a similar reduction in payments from private payors.

More recently, in March 2010, President Obama signed into law the Health Care Reform Law, a sweeping law intended to broaden access to health insurance, reduce or constrain the growth of healthcare

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spending, enhance remedies against fraud and abuse, add new transparency requirements for health care and health insurance industries, impose new taxes and fees on the health industry and impose additional health policy reforms. Effective October 1, 2010, the Health Care Reform Law revises the definition of average manufacturer price for reporting purposes, which could increase the amount of Medicaid drug rebates to states. Further, the new law imposes a significant annual fee on companies that manufacture or import branded prescription drug products. Substantial new provisions affecting compliance have also been enacted, which may affect our business practices with health care practitioners. We will not know the full effects of the Health Care Reform Law until applicable federal and state agencies issue regulations or guidance under the new law. Although it is too early to determine the effect of the Health Care Reform Law, the new law appears likely to continue the pressure on pharmaceutical pricing, especially under the Medicare program, and may also increase our regulatory burdens and operating costs.

Legislative and regulatory proposals have been made to expand post-approval requirements and restrict sales and promotional activities for pharmaceutical products. We are not sure whether additional legislative changes will be enacted, or whether the FDA regulations, guidance or interpretations will be changed, or what the impact of such changes on the marketing approvals of our product candidates, if any, may be. In the area of companion diagnostics, FDA officials indicated in 2010 that the agency planned to issue two guidances in this area. The FDA issued one draft guidance in July 2011. The FDA has yet to issue a second draft guidance and may decide not to issue a second draft guidance or finalize the existing draft guidance. The FDA s issuance of a final guidance, or issuance of additional draft guidance, could affect our development of *in vitro* companion diagnostics and the applicable regulatory requirements. In addition, increased scrutiny by the U.S. Congress of the FDA s approval process may significantly delay or prevent marketing approval, as well as subject us to more stringent product labeling and post-marketing testing and other requirements.

Risks Related to Employee Matters and Managing Growth

Our future success depends on our ability to retain our chief executive officer and other key executives and to attract, retain and motivate qualified personnel.

We are highly dependent on Robert J. Mulroy, our President and Chief Executive Officer, and the other principal members of our executive and scientific teams. Although we have formal employment agreements with each of our executive officers, these agreements do not prevent our executives from terminating their employment with us at any time. We do not maintain key person insurance for any of our executives or other employees. The loss of the services of any of these persons could impede the achievement of our research, development and commercialization objectives.

Recruiting and retaining qualified scientific, clinical, manufacturing and sales and marketing personnel will also be critical to our success. We may not be able to attract and retain these personnel on acceptable terms given the competition among numerous pharmaceutical and biotechnology companies for similar personnel. We also experience competition for the hiring of scientific and clinical personnel from universities and research institutions. In addition, we rely on consultants and advisors, including scientific and clinical advisors, to assist us in formulating our research and development and commercialization strategy. Our consultants and advisors may be employed by employers other than us and may have commitments under consulting or advisory contracts with other entities that may limit their availability to us.

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We expect to expand our development, regulatory and sales and marketing capabilities, and as a result, we may encounter difficulties in managing our growth, which could disrupt our operations.

We expect to experience significant growth in the number of our employees and the scope of our operations, particularly in the areas of drug development, regulatory affairs and sales and marketing. To manage our anticipated future growth, we must continue to implement and improve our managerial, operational and financial systems, expand our facilities and continue to recruit and train additional qualified personnel. Due to our limited financial resources and the limited experience of our management team in managing a company with such anticipated growth, we may not be able to effectively manage the expansion of our operations or recruit and train additional qualified personnel. The physical expansion of our operations may lead to significant costs and may divert our management and business development resources. Any inability to manage growth could delay the execution of our business plans or disrupt our operations.

We have entered into and may continue to enter into or seek to enter into business combinations and acquisitions which may be difficult to integrate, disrupt our business, divert management attention or dilute stockholder value.

As part of our business strategy, we may enter into business combinations and acquisitions. Although we acquired Hermes in October 2009, we have limited experience in making acquisitions. In addition, acquisitions are typically accompanied by a number of risks, including:

- the difficulty of integrating the operations and personnel of the acquired companies;
- the potential disruption of our ongoing business and distraction of management;
- potential unknown liabilities and expenses;
- the failure to achieve the expected benefits of the combination or acquisition;
- the maintenance of acceptable standards, controls, procedures and policies; and
- the impairment of relationships with employees as a result of any integration of new management and other personnel.

If we are not successful in completing acquisitions that we may pursue in the future, we would be required to reevaluate our business strategy and we may have incurred substantial expenses and devoted significant management time and resources in seeking to complete the acquisitions.

In addition, with future acquisitions, we could use substantial portions of our available cash as all or a portion of the purchase price. As we did for the acquisition of Hermes, we could also issue additional securities as consideration for these acquisitions, which could cause our stockholders to suffer significant dilution.

Risks Related to Our Common Stock

Our executive officers, directors and principal stockholders maintain the ability to control or significantly influence all matters submitted to stockholders for approval.

Our executive officers, directors and stockholders who own more than 5% of our outstanding common stock, in the aggregate, beneficially own a large portion of our capital stock. As a result, if these stockholders were to choose to act together, they would be able to control or significantly influence all matters submitted to our stockholders for approval, as well as our management and affairs. For example, these persons, if they choose to act together, will control or significantly influence the election of directors and approval of any merger, consolidation or sale of all or substantially all of our assets. This

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concentration of voting power could delay or prevent an acquisition of our company on terms that other stockholders may desire.

Provisions in our corporate charter documents and under Delaware law could make an acquisition of us, which may be beneficial to our stockholders, more difficult and may prevent attempts by our stockholders to replace or remove our current management.

Provisions in our corporate charter and our bylaws may discourage, delay or prevent a merger, acquisition or other change in control of us that stockholders may consider favorable, including transactions in which you might otherwise receive a premium for your shares. These provisions could also limit the price that investors might be willing to pay in the future for shares of our common stock, thereby depressing the market price of our common stock. In addition, these provisions may frustrate or prevent any attempts by our stockholders to replace or remove our current management by making it more difficult for stockholders to replace members of our board of directors. Because our board of directors is responsible for appointing the members of our management team, these provisions could in turn affect any attempt by our stockholders to replace current members of our management team. Among others, these provisions:

- allow the authorized number of our directors to be changed only by resolution of our board of directors;
- establish advance notice requirements for stockholder proposals that can be acted on at stockholder meetings and nominations to our board of directors;
- require that stockholder actions must be effected at a duly called stockholder meeting and prohibit actions by our stockholders by written consent;
- limit who may call stockholder meetings;
- authorize our board of directors to issue preferred stock without stockholder approval, which could be used to institute a poison pill that would work to dilute the stock ownership of a potential hostile acquirer, effectively preventing acquisitions that have not been approved by our board of directors; and
- require the approval of the holders of at least 75% of the votes that all our stockholders would be entitled to cast to amend or repeal certain provisions of our charter or bylaws.

Moreover, because we are incorporated in Delaware, we are governed by the provisions of Section 203 of the Delaware General Corporation Law, which prohibits a person who owns in excess of 15% of our outstanding voting stock from merging or combining with us for a period of three years after the date of the transaction in which the person acquired in excess of 15% of our outstanding voting stock, unless the merger or

combination is approved in a prescribed manner.

If our stock price is volatile, purchasers of our common stock could incur substantial losses.

Our stock price is likely to be volatile. The stock market in general and the market for biotechnology companies in particular have experienced extreme volatility that has often been unrelated to the operating performance of particular companies. As a result of this volatility, our stockholders could incur substantial losses. The market price for our common stock may be influenced by many factors, including:

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•	the success of competitive products or technologies;
•	results of clinical trials of our product candidates or those of our competitors;
•	regulatory or legal developments in the United States and other countries;
•	developments or disputes concerning patents or other proprietary rights;
•	the recruitment or departure of key personnel;
•	variations in our financial results or those of companies that are perceived to be similar to us;
•	changes in the structure of healthcare payment systems;
• recommer	market conditions in the pharmaceutical and biotechnology sectors and issuance of new or changed securities analysts reports or idations;
•	general economic, industry and market conditions; and
•	the other factors described in this Risk Factors section.
	we do not anticipate paying any cash dividends on our common stock in the foreseeable future, capital appreciation, if any, will be source of gain.
We have t	never declared or paid cash dividends on our common stock. We currently intend to retain all of our future earnings, if any, to finance

the growth and development of our business. In addition, the terms of existing or any future debt agreements may preclude us from paying dividends. As a result, capital appreciation, if any, of our common stock will be your sole source of gain for the foreseeable future.

A significant portion of our total outstanding shares are restricted from immediate resale but may be sold into the market in the near future. This could cause the market price of our common stock to drop significantly, even if our business is doing well.

Sales of a substantial number of shares of our common stock in the public market could occur at any time. These sales, or the perception in the market that the holders of a large number of shares intend to sell shares, could reduce the market price of our common stock. As of April 30, 2012, we had outstanding 93,299,961 shares of common stock, including the shares that we sold in our initial public offering, which may be resold in the public market immediately without restriction, unless purchased by our affiliates. Of the remaining shares, 78,096,254 shares are currently restricted as a result of securities laws or lock-up agreements. Moreover, holders of an aggregate of up to 69,489,001 shares of our common stock, including shares of our common stock issuable upon exercise of outstanding warrants, will have rights, subject to some conditions, to require us to file registration statements covering their shares or to include their shares in registration statements that we may file for ourselves or other stockholders. We have also registered all shares of common stock that we may issue under our equity compensation plans, which can be freely sold in the public market upon issuance, subject to volume limitations applicable to affiliates and applicable lock-up agreements.

We are an emerging growth company and our election to delay adoption of new or revised accounting standards applicable to public companies may result in our financial statements not being comparable to those of other public companies. As a result of this and other reduced disclosure

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requirements applicable to emerging growth companies, our common stock may be less attractive to investors.

We are an emerging growth company, as defined in the JOBS Act, and may remain an emerging growth company for up to five years, until December 31, 2017, although if the market value of our common stock that is held by non-affiliates exceeds \$700 million as of any June 30 before that time or if we have annual gross revenues of \$1 billion or more in any fiscal year, we would cease to be an emerging growth company as of December 31 of the applicable year. For so long as we remain an emerging growth company, we are permitted and intend to rely on exemptions from certain reporting requirements that are applicable to other public companies that are not emerging growth companies. These exemptions include but are not limited to not being required to comply with the auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act of 2002, not being required to comply with any requirement that may be adopted by the Public Company Accounting Oversight Board regarding mandatory audit firm rotation or a supplement to the auditor s report providing additional information about the audit and the financial statements, reduced disclosure obligations regarding executive compensation in our periodic reports and proxy statements, and exemptions from the requirements of holding a nonbinding advisory vote on executive compensation and shareholder approval of any golden parachute payments not previously approved.

Among other provisions, the JOBS Act provides that an emerging growth company can take advantage of the extended transition period provided in Section 7(a)(2)(B) of the Securities Act of 1933, as amended, or the Securities Act, for complying with new or revised accounting standards. This allows an emerging growth company to delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. We are electing to delay such adoption of new or revised accounting standards, and as a result, we may not comply with new or revised accounting standards on the relevant dates on which adoption of such standards is required for public companies that are not emerging growth companies. As a result of such election, our financial statements may not be comparable to the financial statements of other public companies.

We cannot predict whether investors will find our common stock less attractive because we will rely on these exemptions. If some investors find our common stock less attractive as a result, there may be a less active trading market for our common stock and our stock price may be more volatile.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.

Use of Proceeds from Registered Securities

On April 3, 2012, we completed our initial public offering of 14,300,000 shares of our common stock at a price of \$7.00 per share for an aggregate offering price of approximately \$100.1 million. In addition, on April 17, 2012, we sold an additional 742,459 shares of our common stock pursuant to the partial exercise of the underwriters over-allotment option at a price of \$7.00 per share for an aggregate offering price of approximately \$5.2 million. The offer and sale of all of the shares in the offering were registered under the Securities Act pursuant to a registration statement on Form S-1 (File No. 333-175427), which was declared effective by the SEC on March 27, 2012. J.P. Morgan Securities LLC acted as book-running manager of the offering and as representative of the underwriters. BofA Merrill Lynch acted as lead-manager for the offering, and Cowen and Company, LLC and Oppenheimer & Co., Inc. acted as co-managers for the offering. The offering commenced on March 28, 2012 and did not terminate until the sale of all of the shares offered.

We received aggregate gross proceeds from the offering of approximately \$105.3 million, or aggregate net proceeds of approximately \$100.5 million, after deducting underwriting discounts and

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commissions but prior to the payment of remaining offering expenses payable by us and accrued dividends on our Series B convertible preferred stock. None of the underwriting discounts and commissions or other offering expenses were incurred or paid to directors or officers of ours or their associates or to persons owning 10 percent or more of our common stock or to any affiliates of ours.

We have not used any of the net proceeds from the offering to make payments, directly or indirectly, to any director or officer of ours, or any of their associates, to any person owning 10 percent or more of our common stock or to any affiliate of ours. We have invested the net proceeds from the offering in a variety of capital preservation investments, including short-term, investment grade, interest bearing instruments and U.S. government securities. There has been no material change in our planned use of the net proceeds from the offering as described in our final prospectus filed with the SEC pursuant to Rule 424(b) under the Securities Act.

Item 6. Exhibits.

The exhibits filed as part of this Quarterly Report on Form 10-Q are set forth on the Exhibit Index, which Exhibit Index is incorporated herein by reference.

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SIGNATURES

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

MERRIMACK PHARMACEUTICALS, INC.

Date: May 15, 2012 By: /s/ William A. Sullivan

William A. Sullivan

Chief Financial Officer and Treasurer (Principal Financial and Accounting Officer)

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EXHIBIT INDEX

Exhibit	
Number	Description of Exhibit
31.1	Certification of Principal Executive Officer pursuant to Rule 13a-14(a) or Rule 15d-14(a) of the Securities Exchange Act of
	1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
31.2	Certification of Principal Financial Officer pursuant to Rule 13a-14(a) or Rule 15d-14(a) of the Securities Exchange Act of
	1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
32.1	Certification of Principal Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the
	Sarbanes-Oxley Act of 2002
32.2	Certification of Principal Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the
	Sarbanes-Oxley Act of 2002
101.INS	XBRL Instance Document*
101.SCH	XBRL Taxonomy Extension Schema Document*
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document*
101.LAB	XBRL Taxonomy Extension Label Linkbase Database*
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document*
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document*

^{*} Submitted electronically herewith.

Attached as Exhibit 101 to this report are the following formatted in XBRL (Extensible Business Reporting Language): (i) Condensed Consolidated Balance Sheets at December 31, 2011 and March 31, 2012 (unaudited), (ii) Condensed Consolidated Statements of Operations for the three months ended March 31, 2011 and 2012 (unaudited), (iii) Condensed Consolidated Statements of Cash Flows for the three months ended March 31, 2011 and 2012 (unaudited) and (iv) Notes to Condensed Consolidated Financial Statements (unaudited).

In accordance with Rule 406T of Regulation S-T, the XBRL related information in Exhibit 101 to this Quarterly Report on Form 10-Q is deemed not filed or part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act, is deemed not filed for purposes of Section 18 of the Exchange Act, and otherwise is not subject to liability under these sections.