

IMARX THERAPEUTICS INC  
Form 10-Q/A  
December 30, 2009

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**FORM 10-Q/A  
Amendment No. 1**

**Quarterly report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934  
For the Quarterly Period ended September 30, 2009**

**Transition report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934  
For the Transition Period from \_\_\_\_\_ to \_\_\_\_\_  
Commission File Number 001-33043**

**ImaRx Therapeutics, Inc.  
(Exact Name of Registrant as Specified in Its Charter)**

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

**86-0974730  
(I.R.S. Employer  
Identification No.)**

**ImaRx Therapeutics, Inc.  
c/o Stoel Rives LLP  
201 S. Main Street, Suite 1100  
Salt Lake City, Utah  
(Address of Principal Executive Offices)**

**84111  
(Zip Code)**

**(801) 578-6962  
(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 at least the past 90 days. YES  NO

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  NO

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. (Check one):

Large accelerated Filer

Accelerated Filer

Non-accelerated filer

Smaller reporting  
company

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(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  NO

The number of shares outstanding of each of the issuer's classes of common stock, as of the latest practicable date is as follows:

<b>Class</b>	<b>Outstanding at December 29, 2009</b>
<b>Common Stock \$0.0001 par value</b>	<b>11,665,733</b>

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**EXPLANATORY NOTE**

ImaRx Therapeutics, Inc. (the Company) is filing this Amendment No. 1 to its Quarterly Report on Form 10-Q for the quarter ended September 30, 2009 (the Report) for the sole purpose of amending Exhibit Nos. 31.1 and 31.2 to include the introductory language of paragraph 4 and the language of paragraph 4(b) of Item 601(b)(31) Regulation S-K. Except as described above, no other changes are made to Report, and this Form 10-Q/A does not amend, update or change any other Item or the disclosures in the Report in any way. This Form 10-Q/A does not reflect events occurring after the filing of the Report or modify or update those disclosures, including any exhibits to the Report, affected by subsequent events.

**Item 6. Exhibits.****Exhibits**

Exhibit No.	Exhibit Title	Filed Herewith	Form	Incorporated by Reference		
				Exhibit No.	File No.	Filing Date
31.1	Rule 13a-14(a)/15d-14(a) Certification of Principal Executive Officer	X				
31.2	Rule 13a-14(a)/15d-14(a) Certification of Principal Financial Officer	X				
32	Section 1350 Certification of Periodic Financial Report by the Chief Executive Officer and Principal Financial and Accounting Office		10-Q	32	001-33043	November 16, 2009

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report on Form 10Q/A to be signed on its behalf by the undersigned, thereunto duly authorized.

**IMARX THERAPEUTICS, INC.**

Date: December 29, 2009

By: /s/ RICHARD LOVE  
Richard Love,  
Chairman of the Board  
(Principal Executive Officer and Principal Financial  
Officer)

**EXHIBIT INDEX****Exhibit Index**

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