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**NASDAQ**  
THE NASDAQ OMX GROUP

William Slattery, CFA  
Vice President  
Listing Qualifications

FEB 10 2014

001-36304

Washington, DC 20549

By Electronic Mail

February 10, 2014

Mr. Jeffrey Thomas  
Chief, IT Services  
Division of Corporation Finance  
U.S. Securities and Exchange Commission  
100 F Street, N.E.  
Washington, D.C. 20549

CERTWAS

Dear Mr. Thomas:

This is to certify that on February 7, 2014 The Nasdaq Stock Market (the "Exchange") received from RXi Pharmaceuticals Corporation (the "Registrant") a copy of the Registrant's application on Form 8-A 12(b) for the registration of the following security:

Common Stock, par value \$0.0001 per share

We further certify that the security described above has been approved by the Exchange for listing and registration.

We understand that the Registrant is seeking immediate acceleration of the effective date of registration, and we hereby join in such request.

Sincerely,

*William Slattery*