RXi Pharmaceuticals Corp Form POS EX October 02, 2018

As filed with the Securities and Exchange Commission on October 2, 2018

Registration No. 333-227173

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

POST-EFFECTIVE AMENDMENT No. 1 to

FORM S-1

REGISTRATION STATEMENT

UNDER

THE SECURITIES ACT OF 1933

RXi PHARMACEUTICALS CORPORATION

(Exact name of Registrant as specified in its charter)

Delaware 2834 45-3215903

(State or other jurisdiction of (Primary Standard Industrial (I.R.S. Employer

incorporation or organization) Classification Code Number) Identification Number)

257 Simarano Drive, Suite 101

Marlborough, Massachusetts 01752

(508) 767-3861

(Address, including zip code, and telephone number, including area code, of Registrant's principal executive offices)

Geert Cauwenbergh, Dr. Med. Sc.

President

RXi Pharmaceuticals Corporation

257 Simarano Drive, Suite 101

Marlborough, Massachusetts 01752

555 Mission Street, Suite 3000

Facsimile: (415) 374-8430

(508) 767-3861

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copies to:

Oded Har-Even
Oded Har-Even

Ryan A. Murr

Robert V. Condon III

Gibson, Dunn & Crutcher LLP

Zysman, Aharoni, Gayer and Sullivan & Worcester LLP

1633 Broadway, 32nd Floor

San Francisco, CA 94105

New York, NY 10019 Telephone: (415) 393-8373

Telephone: (212) 660-5003

Facsimile: (212) 660-3001

Approximate date of commencement of proposed sale to the public:

As soon as practicable after the effective date of this Registration Statement.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. 333-227173

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

Non-accelerated filer Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

This Registration Statement shall become effective upon filing with the Securities and Exchange Commission in accordance with Rule 462(d) under the Securities Act of 1933, as amended.

EXPLANATORY NOTE

This Post-Effective Amendment No. 1 to Form S-1 Registration Statement (333-227173) is filed pursuant to Rule 462(d) of the Securities Act of 1933, as amended (the "Securities Act"), solely to add exhibits to the previously effective Registration Statement by removing the previously filed Exhibit 5.1 and replacing it with Exhibit 5.1 filed herewith in order to reflect an increase in the number of securities covered by the legal opinion of Gibson, Dunn & Crutcher LLP. Accordingly, this Post-Effective Amendment No. 1 consists only of a facing page, this explanatory note and Part II Item 16(a) of the Registration Statement on Form S-1 setting forth the exhibits to the Registration Statement. This Post-Effective Amendment No. 1 does not modify any other part of the Registration Statement. Pursuant to Rule 462(d) under the Securities Act, this Post-Effective Amendment No. 1 shall become effective immediately upon filing with the Securities and Exchange Commission. The contents of the Registration Statement are hereby incorporated by reference.

PART II Information Not Required in Prospectus Item 16. Exhibits and Financial Statement Schedules **Financial Statement Schedules** Certain schedules are omitted because they are not applicable, or are not required by smaller reporting companies. **Exhibits Incorporated by Reference Herein Exhibit Number Description Form** Date Registration Statement on FormSeptember 1.1 Form of Underwriting Agreement. S-1 (File No. 333-227173) 28, 2018 Asset Purchase Agreement, dated March 1, 2013, between RXi Quarterly Report on Form 10-QMay 15, 2.1 Pharmaceuticals Corporation and OPKO Health, Inc. + (File No. 000-54910) 2013 Stock Purchase Agreement, dated January 6, 2017, by and among RXi Pharmaceuticals Corporation, RXi Merger Sub. Current Report on Form 8-K January 10, 2.2 LLC, MirImmune Inc., certain shareholders named therein and (File No. 001-36304) 2017 Alexey Wolfson, Ph.D., in his capacity as Sellers' Representative. Amendment No. 4 to the Amended and Restated Certificate of Incorporation of RXi Registration Statement on Form 2012 February 7, 3.1 Pharmaceuticals Corporation. S-1 (File No. 333-177498)

Certificate of Designations, Preferences and Rights of Series A Amendment No. 4 to the

Convertible Preferred Stock of RXi Pharmaceuticals

3.2

Corporation.

February 7,

2012

Registration Statement Form

S-1 (File No. 333-177498)

3.3	Certificate of Amendment to the Amended and Restated Certificate of Incorporation of RXi Pharmaceuticals Corporation.	Current Report on Form 8-K (File No. 000-54910)	July 22, 2013
3.4	Certificate of Designations, Preferences and Rights of Series A-1 Convertible Preferred Stock of RXi Pharmaceuticals Corporation.	Quarterly Report on Form 10-0 (File No. 000-54910)	QAugust 14, 2013
3.5	Certificate of Increase, filed with the Secretary of State of the State of Delaware on January 24, 2014.	Current Report on Form 8-K (File No. 000-54910)	January 24, 2014
3.6	Certificate of Amendment to the Amended and Restated Certificate of Incorporation of RXi Pharmaceuticals Corporation.	Registration Statement on Ford S-1 (File No. 333-203389)	mApril 13, 2015
3.7	Certificate Eliminating the Series A Convertible Preferred Stock from the Certificate of Incorporation of RXi Pharmaceuticals Corporation.	Quarterly Report on Form 10-0 (File No. 001-36304)	QNovember 12, 2015

Certificate Eliminating the Series A-1 Convertible 3.8 Preferred Stock from the Certificate of Incorporation of RXi Pharmaceuticals Corporation.	Quarterly Report on Form 10-Q (File No. 001-36304)	November 12, 2015
Certificate of Amendment to the Amended and Restated 3.9 Certificate of Incorporation of RXi Pharmaceuticals Corporation.	Current Report on Form 8-K (File No. 001-36304)	April 15, 2016
Certificate of Designation of Preferences, Rights and 3.10 Limitations of Series B Convertible Preferred Stock of RXi Pharmaceuticals Corporation.	Current Report on Form 8-K (File No. 001-36304)	December 21, 2016
Certificate of Designation of Preferences, Rights and 3.11 Limitations of Series C Convertible Preferred Stock of RXi Pharmaceuticals Corporation.	Current Report on Form 8-K (File No. 001-36304)	January 10, 2017
Certificate Eliminating the Series B Convertible Preferre 3.12 Stock from the Certificate of Incorporation of RXi Pharmaceuticals Corporation.	Quarterly Report on Form 10-Q (File No. 001-36304)	November 8, 2017
Certificate Eliminating the Series C Convertible Preferre 3.13 Stock from the Certificate of Incorporation of RXi Pharmaceuticals Corporation.	Quarterly Report on Form 10-Q (File No. 001-36304)	November 8, 2017
Certificate of Amendment to the Amended and Restated 3.14 Certificate of Incorporation of RXi Pharmaceuticals Corporation.	Current Report on Form 8-K (File No. 001-36304)	January 5, 2018
3.15 Amended and Restated Bylaws of RXi Pharmaceuticals Corporation.	Current Report on Form 8-K (File No. 001-36304)	June 9, 2017
4.1 Form of Warrant.	Amendment No. 1 to the Registration Statement on Form S-1 (File No. 333-203389)	May 21, 2015
4.2 Form of Warrant.	Amendment No. 3 to the Registration Statement on Form S-1 (File No. 333-214199)	December 14, 2016
4.3 Form of Warrant.	Current Report on Form 8-K (File No. 333-214199)	April 11, 2018
4.4 Form of Placement Agent Warrant.	Current Report on Form 8-K (File No. 333-214199)	April 11, 2018
4.5 Form of Warrant.		

Registration Statement on Form S-1 September (File No. 333-227173) 28, 2018

4.6 Form of Pre-Funded Warrant.

Registration Statement on Form S-1 (File No. 333-227173)

September 28, 2018

5.1 Opinion of Gibson, Dunn & Crutcher LLP regarding the securities being registered.*

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10.1	Patent and Technology Assignment Agreement between RXi Pharmaceuticals Corporation (formerly RNCS, Inc.) and Advirna, LLC, effective as of September 24, 2011.	Registration Statement on Form S-1 (File No. 333-177498)	October 25, 2011
10.2	RXi Pharmaceuticals Corporation 2012 Long Term Incentive Plan.**	Registration Statement on Form S-8 (File No. 333-227013)	August 24, 2018
10.3	Form of Restricted Stock Unit Award under the Company's 2012 Long Term Incentive Plan.**	Amendment No. 2 to the Registration Statement on Form S-1 (File No. 333-177498)	December 29, 2011
10.4	Form of Incentive Stock Option Award under the Company's 2012 Long Term Incentive Plan, as amended.**	Registration Statement on Form S-1 (File No. 333-191236)	September 18, 2013
10.5	Form of Non-Qualified Stock Option Award under the Company's 2012 Long Term Incentive Plan, as amended.**	Registration Statement on Form S-1 (File No. 333-191236)	September 18, 2013
10.6	RXi Pharmaceuticals Corporation Employee Stock Purchase Plan.**	Registration Statement on Form S-8 (File No. 333-227013)	August 24, 2018
10.7	Form of Indemnification Agreement.**	Amendment No. 3 to the Registration Statement on Form S-1 (File No. 333-177498)	January 23, 2012
10.8	Employment Agreement, dated April 27, 2012, between RXi Pharmaceuticals Corporation and Geert Cauwenbergh, Dr. Med. Sc.**	Current Report on Form 8-K (File No. 333-177498)	May 3, 2012
10.9	Employment Agreement, dated January 6, 2017, between RXi Pharmaceuticals Corporation and Alexey Eliseev. Ph.D.**	Annual Report on Form 10-K (File No. 001-36304)	March 30, 2017
10.10	Non-Competition Agreement, dated January 6, 2017, between RXi Pharmaceuticals Corporation and Alexey Eliseev, Ph.D.**	Annual Report on Form 10-K (File No. 001-36304)	March 30, 2017
10.11	Employment Agreement, dated April 24, 2017, between RXi Pharmaceuticals Corporation and Gerrit Dispersyn, Dr. Med. Sc.**		May 4, 2017
10.12	Lease Agreement dated December 17, 2013 between RXi Pharmaceuticals Corporation and 257 Simarano Drive, LLC, Brighton Properties, LLC, Robert Stubblebine 1, LLC and Robert Stubblebine 2, LLC.	Current Report on Form 8-K (File No. 000-54910)	December 20, 2013

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10.13	Registration Rights Agreement, dated August 8, 2017, 8 between RXi Pharmaceuticals Corporation and Lincoln Park Capital Fund, LLC.	Current Report on Form 8-K (File No. 001-36304)	August 9, 2017
10.14	Purchase Agreement, dated August 8, 2017, between RXi Pharmaceuticals Corporation and Lincoln Park Capital Fund, LLC.	Registration Statement on Form S-1 (File No. 333-220062)	August 18, 2017
10.15	Securities Purchase Agreement, dated April 9, 2018, by and between the Company and the Purchasers therein.	Current Report on Form 8-K (File No. 333-214199)	April 11, 2018
23.1	Consent of BDO USA, LLP, an Independent Registered Public Accounting Firm.	Registration Statement on Form S-1 (File No. 333-227173)	September 14, 2018
23.2	Consent of Gibson, Dunn & Crutcher LLP.*	Included in Exhibit 5.1	
24.1	Powers of Attorney.	Registration Statement on Form S-1 (File No. 333-227173)	August 31, 2018

^{*} Filed herewith.

^{**}Indicates a management contract or compensatory plan or arrangement.

Confidential treatment has been requested or granted for certain portions which have been blanked out in the copy

⁺ of the exhibit filed with the Securities and Exchange Commission. The omitted information has been filed separately with the Securities and Exchange Commission.

Signatures

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant has duly caused this Registration Statement on Form S-1 to be signed on its behalf by the undersigned, thereunto duly authorized, in Marlborough, Massachusetts, on October 2, 2018.

RXi PHARMACEUTICALS CORPORATION

By: /s/ Geert Cauwenbergh

Geert Cauwenbergh, Dr. Med. Sc.

President, Chief Executive Officer and acting Chief Financial Officer

Power of Attorney

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
	President, Chief Executive Officer,	
/s/ Geert Cauwenbergh	Acting Chief Financial Officer	October 2, 2019
Geert Cauwenbergh, Dr. Med. Sc.	October 2, 2018 and Director (Principal Executive	
	Officer and Principal Financial Officer)	
/s/ Caitlin Kontulis	Senior Director of Finance and Secretary	Ostobar 2, 2010
Caitlin Kontulis	(Principal Accounting Officer)	October 2, 2018
*	Dimenton	Ostobar 2, 2010
Robert J. Bitterman	Director	October 2, 2018
*	Director	October 2, 2018

Keith L. Brownlie

*

Director October 2, 2018

H. Paul Dorman

*

Director October 2, 2018

Jonathan E. Freeman, Ph.D.

*

Director October 2, 2018

Curtis A. Lockshin, Ph.D.

*By: <u>/s/ Geert Cauwenbergh</u> Geert Cauwenbergh, Dr. Med. Sc Attorney-in-fact

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