
SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

SCHEDULE 13G

(Rule 13d-102)

**INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO
RULES 13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED
PURSUANT TO RULE 13d-2(b)**

RXi Pharmaceuticals Corporation

(Name of Issuer)

Common shares, \$0.0001 par value per share
(Title of Class of Securities)

74979C808
(CUSIP Number)

April 9, 2018
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Anson Funds Management LP	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Texas	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 377,652
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 377,652
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 377,652	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 8.9% **	
12	TYPE OF REPORTING PERSON* IA, PN	

* SEE INSTRUCTIONS BEFORE FILLING OUT

** SEE ITEM 4(b).

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Anson Management GP LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Texas	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 377,652
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 377,652
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 377,652	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 8.9% **	
12	TYPE OF REPORTING PERSON* HC, OO	

* SEE INSTRUCTIONS BEFORE FILLING OUT

** SEE ITEM 4(b).

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Bruce R. Winson	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION United States Citizen	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 377,652
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 377,652
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 377,652	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 8.9% **	
12	TYPE OF REPORTING PERSON* HC, IN	

* SEE INSTRUCTIONS BEFORE FILLING OUT

** SEE ITEM 4(b).

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Anson Advisors Inc.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION	
	Ontario, Canada	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 377,652
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 377,652
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 377,652	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 8.9% **	
12	TYPE OF REPORTING PERSON* CO	

* SEE INSTRUCTIONS BEFORE FILLING OUT

** SEE ITEM 4(b).

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Amin Nathoo	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION	
	Canadian Citizen	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 377,652
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 377,652
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 377,652	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 8.9% **	
12	TYPE OF REPORTING PERSON* IN	

* SEE INSTRUCTIONS BEFORE FILLING OUT

** SEE ITEM 4(b).

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Moez Kassam	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION	
	Canadian Citizen	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 377,652
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 377,652
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 377,652	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 8.9% **	
12	TYPE OF REPORTING PERSON* IN	

* SEE INSTRUCTIONS BEFORE FILLING OUT

** SEE ITEM 4(b).

SCHEDULE 13G

This Schedule 13G (this "Schedule 13G") is being filed on behalf of Anson Funds Management LP (d/b/a Anson Group), a Texas limited partnership, Anson Management GP LLC, a Texas limited liability company, Mr. Bruce R. Winson, the principal of Anson Funds Management LP and Anson Management GP LLC, Anson Advisors Inc. (d/b/a Anson Funds), an Ontario, Canada corporation, Mr. Amin Nathoo, a director of Anson Advisors Inc., and Mr. Moez Kassam, a director of Anson Advisors Inc., relating to Common shares, \$0.0001 par value per share (the "Common Stock"), of RXi Pharmaceuticals Corporation, a Delaware corporation (the "Issuer").

This Schedule 13G relates to Common Stock of the Issuer purchased by a private fund to which Anson Funds Management LP and Anson Advisors Inc. serve as co-investment advisors (the "Fund"). Anson Funds Management LP and Anson Advisors Inc. serve as co-investment advisors to the Fund and may direct the vote and disposition of the 377,652 shares of Common Stock held by the Fund. As the general partner of Anson Funds Management LP, Anson Management GP LLC may direct the vote and disposition of the 377,652 shares of Common Stock held by the Fund. As the principal of Anson Fund Management LP and Anson Management GP LLC, Mr. Winson may direct the vote and disposition of the 377,652 shares of Common Stock held by the Fund. As directors of Anson Advisors Inc., Mr. Nathoo and Mr. Kassam may each direct the vote and disposition of the 377,652 shares of Common Stock held by the Fund.

Item 1(a) Name of Issuer.

RXi Pharmaceuticals Corporation

Item 1(b) Address of Issuer's Principal Executive Offices.

257 Simarano Drive, Suite 101
Marlborough, MA 01752

Item 2(a) Name of Person Filing.

Anson Funds Management LP, Anson Management GP LLC, Mr. Bruce R. Winson, Anson Advisors Inc., Mr. Amin Nathoo and Mr. Moez Kassam

Item 2(b) Address of Principal Business Office, or, if none, Residence.

For Anson Funds Management LP, Anson Management GP LLC and Mr. Winson:

5950 Berkshire Lane, Suite 210
Dallas, Texas 75225

For Anson Advisors Inc., Mr. Nathoo and Mr. Kassam:

155 University Ave, Suite 207
Toronto, ON M5H 3B7

Item 2(c) Citizenship or Place of Organization.

Anson Funds Management LP is a limited partnership organized under the laws of the State of Texas. Anson Management GP LLC is a limited liability company organized under the laws of the State of Texas. Mr. Winson is a United States citizen. Anson Advisors Inc. is a corporation organized under the laws of Ontario, Canada. Mr. Nathoo and Mr. Kassam are each Canadian citizens.

Item 2(d) Title of Class of Securities.

Common shares, \$0.0001 par value per share (the "Common Stock").

Item 2(e) CUSIP Number.

74979C808

Item 3 Reporting Person.

If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b), check whether the person filing is a:

- (a) Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c) Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d) Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e) An investment advisor in accordance with §240.13d-1(b)(1)(ii)(E).
- (f) An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F).
- (g) A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G).
- (h) A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813).
- (i) A church plan that is excluded from the definition of an investment company under Section 3(e)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3).
- (j) Group, in accordance with §240.13d-1(b)(1)(ii)(J).

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- Item 4 Ownership.**
- (a) Anson Funds Management LP, Anson Management GP LLC, Mr. Winson, Anson Advisors Inc., Mr. Nathoo and Mr. Kassam are the beneficial owners of 377,652 shares of Common Stock held by the Fund.
 - (b) Anson Funds Management LP, Anson Management GP LLC, Mr. Winson, Anson Advisors Inc., Mr. Nathoo and Mr. Kassam are the beneficial owners of 8.9% of the outstanding shares of Common Stock. This percentage is determined by dividing 377,652 by 4,255,566, the number of shares of Common Stock issued and outstanding as of April 9, 2018, as reported in the Issuer's 424B5 Prospectus filed on April 11, 2018.
 - (c) Anson Funds Management LP and Anson Advisors Inc., as the co-investment advisors to the Fund, may direct the vote and disposition the 377,652 shares of Common Stock held by the Fund. Anson Management GP LLC, as the general partner of Anson Funds Management LP, may direct the vote and disposition the 377,652 shares of Common Stock held by the Fund. As the principal of Anson Funds Management LP and Anson Management GP LLC, Mr. Winson may direct the vote and disposition of the 377,652 shares of Common Stock held by the Fund. Mr. Nathoo and Mr. Kassam, each as a director of Anson Advisors Inc., may direct the vote and disposition the 377,652 shares of Common Stock held by the Fund.
- Item 5 Ownership of Five Percent or Less of a Class.**
Inapplicable.
- Item 6 Ownership of More Than Five Percent on Behalf of Another Person.**
Inapplicable.
- Item 7 Identification and Classification of the Subsidiary which Acquired the Security Being Reported On by the Parent Holding Company.**
Inapplicable.
- Item 8 Identification and Classification of Members of the Group.**
Inapplicable.
- Item 9 Notice of Dissolution of Group.**
Inapplicable.

Item 10 **Certification.**

For Anson Funds Management LP, Anson Management GP LLC and Mr. Winson:

By signing below each of the Reporting Persons certifies that, to the best of such person's knowledge and belief, the securities referred to above were acquired and held in the ordinary course of business and were not acquired and were not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

For the Anson Advisors Inc., Mr. Nathoo and Mr. Kassam:

By signing below each of the Reporting Persons certifies that, to the best of such person's knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

Exhibits **Exhibit 99.1**

Joint Filing Agreement dated April 18, 2018, by and among Anson Funds Management LP, Anson Management GP LLC, Mr. Winson, Anson Advisors Inc., Mr. Nathoo and Mr. Kassam.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: April 18, 2018

ANSON FUNDS MANAGEMENT LP

By: Anson Management GP LLC, its general partner

By: /s/ Bruce R. Winson
Bruce R. Winson
Manager

ANSON MANAGEMENT GP LLC

By: /s/ Bruce R. Winson
Bruce R. Winson
Manager

/s/ Bruce R. Winson
Bruce R. Winson

ANSON ADVISORS INC.

By: /s/ Amin Nathoo
Amin Nathoo
Director

By: /s/ Moez Kassam
Moez Kassam
Director

/s/ Amin Nathoo
Amin Nathoo

/s/ Moez Kassam
Moez Kassam

EXHIBIT 99.1

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the undersigned agree to the joint filing on behalf of each of them of a Statement on Schedule 13G (including any and all amendments thereto) with respect to the Common shares, \$0.0001 par value per share, of RXi Pharmaceuticals Corporation, a Delaware corporation, and further agree that this Joint Filing Agreement shall be included as an Exhibit to such joint filings.

The undersigned further agree that each party hereto is responsible for the timely filing of such Statement on Schedule 13G and any amendments thereto, and for the accuracy and completeness of the information concerning such party contained therein; provided, however, that no party is responsible for the accuracy or completeness of the information concerning any other party, unless such party knows or has reason to believe that such information is inaccurate.

This Joint Filing Agreement may be signed in counterparts with the same effect as if the signature on each counterpart were upon the same instrument.

IN WITNESS WHEREOF, the undersigned have executed this Agreement as of April 18, 2018.

ANSON FUNDS MANAGEMENT LP

By: Anson Management GP LLC, its general partner

By: /s/ Bruce R. Winson
Bruce R. Winson
Manager

ANSON MANAGEMENT GP LLC

By: /s/ Bruce R. Winson
Bruce R. Winson
Manager

/s/ Bruce R. Winson
Bruce R. Winson

ANSON ADVISORS INC.

By: /s/ Amin Nathoo
Amin Nathoo
Director

By: /s/ Moez Kassam

Moez Kassam

Director

/s/ Amin Nathoo

Amin Nathoo

/s/ Moez Kassam

Moez Kassam