FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Washington, D.C. 20549

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## Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

			or Section 30(n) of the Investment Company Act of 1940							
1. Name and Addre	OS. ADVI	SORS LP	2. Issuer Name and Ticker or Trading Symbol AQUINOX PHARMACEUTICALS, INC [ AQXP]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director X 10% Owner  Officer (give title Other (specify						
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	below) below)						
667 MADISON	AVENUE, 2	1ST FLOOR	01/22/2016							
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)						
NEW YORK	NY	US 10065		Form filed by One Reporting Person						
-			_	X Form filed by More than One Reporting Person						
(City)	(State)	(Zip)		reisuii						
		Table I Non Da	ivetive Courities Assuired Disposed of ar Banef	inially Owned						

(Street) NEW YORK NY	4. If Amendment	, Dale 0	i Origi	nai Fileu (Mo	Individual or Joint/Group Filing (Check Applicable Line)  Form filed by One Reporting Person  Form filed by More than One Reporting						
(City) (State)						X Form filed by More than One Reporting Person					
T	able I - Non-Deriva	ative Securitie	s Acc	uire	d, Dispos	ed of,	or Benefici	ally Owned			
1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)					5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code	V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)			
Common Stock						_		2,260	D <sup>(1)</sup>		
Common Stock								2,260	D <sup>(2)</sup>		
Common Stock	01/22/2016		P		1,887	A	\$10.7814 <sup>(3)</sup>	765,980	I	See Footnote <sup>(4)(13)</sup>	
Common Stock	01/22/2016		P		17,221	A	\$10.7814 <sup>(3)</sup>	6,393,162	I	See Footnotes <sup>(5)(13)</sup>	
Common Stock	01/22/2016		P		440	A	\$10.6937(6)	766,420	I	See Footnotes <sup>(4)(13)</sup>	
Common Stock	01/22/2016		P		4,021	A	\$10.6937(6)	6,397,183	I	See Footnotes <sup>(5)(13)</sup>	
Common Stock	01/22/2016		P		17	A	\$10.6	766,437	I	See Footnotes <sup>(4)(13)</sup>	
Common Stock	01/22/2016		P		156	A	\$10.6	6,397,339	I	See Footnotes <sup>(5)(13)</sup>	
Common Stock	01/22/2016		P		2,810	A	\$10.6908 <sup>(7)</sup>	769,247	I	See Footnotes <sup>(4)(13)</sup>	
Common Stock	01/22/2016		P		25,650	A	\$10.6908(7)	6,422,989	I	See Footnotes <sup>(5)(13)</sup>	
Common Stock	01/25/2016		P		312	A	\$11.2326(8)	769,559	I	See Footnotes <sup>(4)(13)</sup>	
Common Stock	01/25/2016		P		2,833	A	\$11.2326 <sup>(8)</sup>	6,425,822	I	See Footnotes <sup>(5)(13)</sup>	
Common Stock	01/25/2016		P		497	A	\$10.9755 <sup>(9)</sup>	770,056	I	See Footnotes <sup>(4)(13)</sup>	
Common Stock	01/25/2016		P		4,503	A	\$10.9755 <sup>(9)</sup>	6,430,325	I	See Footnotes <sup>(5)(13)</sup>	
Common Stock	01/25/2016		P		278	A	\$11.2043(10)	770,334	I	See Footnotes <sup>(4)(13)</sup>	
Common Stock	01/25/2016		P		2,522	A	\$11.2043(10)	6,432,847	I	See Footnotes <sup>(5)(13)</sup>	
Common Stock	01/26/2016		P		7,318	A	\$10.8033(11)	777,652	I	See Footnotes <sup>(4)(13)</sup>	
Common Stock	01/26/2016		P		66,345	A	\$10.8033(11)	6,499,192	I	See Footnotes <sup>(5)(13)</sup>	
Common Stock	01/26/2016		P		395	A	\$10.996(12)	778,047	I	See Footnotes <sup>(4)(13)</sup>	

		Tab	e I - Non-Deriv	ative	Sec	uritie	s Ac	quire	d, Di	spose	ed of	, or E	Benefici:	ally Own	ed				
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Year)	Exec if an	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)							5. Amount of Securities Beneficially Owned Following Reported		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		Indire Bene	
								v	Amou	nt	(A) or (D)	Price		Transaction(s) (Instr. 3 and 4)				-,	
Common Stock			01/26/2016			P		3,5	81	A	\$10	0.996(12)	6,502,	6,502,773		See Footi		notes <sup>(5)(13)</sup>	
		Та	able II - Derivat (e.g., p										neficiall curities)	y Owned					
Derivative Conversion Date Security or Exercise (Month/Day/Year)		3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exe Expiration I (Month/Day				7. Title Amour Securi Underl Deriva Securi and 4)	nt of ties lying tive ty (Instr. 3	8. Price of Derivative Security (Instr. 5)	deriva Securi Benefi Owned Follow Repor	ities icially d ving ted action(s)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V (A)		(D)	Date Exerc	isable	Expira Date		Title	Amount or Number of Shares						
		Reporting Person* ADVISORS	<u>LP</u>																
(Last) (First) (Middle) 667 MADISON AVENUE, 21ST FLOOR																			
(Street) NEW YO	ORK	NY	US 10065																
(City)		(State)	(Zip)																
		Reporting Person* visors (GP) LI	LC																
(Last) (First) (Middle) 667 MADISION AVENUE 21ST FLOOR																			
(Street) NEW YO	ORK	NY	US 10065		- $ $														

## Explanation of Responses:

**BAKER JULIAN** 

(City)

(Street)
NEW YORK

(City)

(Street)

(City)

**NEW YORK** 

(State)

(First)

667 MADISON AVENUE, 21ST FLOOR

NY

(State)

(First)

667 MADISON AVENUE, 21ST FLOOR

NY

(State)

1. Name and Address of Reporting Person\*

1. Name and Address of Reporting Person\*

**BAKER FELIX** 

(Zip)

(Middle)

US 10065

(Zip)

(Middle)

US 10065

(Zip)

<sup>1.</sup> Common shares held directly by Felix J. Baker and for which Felix J. Baker has sole beneficial ownership. These shares were received in an in kind pro rata distribution from an affiliated investment fund in January 2015 without consideration.

<sup>2.</sup> Common shares held directly by Julian C. Baker and for which Julian C. Baker has sole beneficial ownership. These shares were received in an in kind pro rata distribution from an affiliated investment fund in January 2015 without consideration.

<sup>3.</sup> The price reported in Column 4 is a weighted average price. These shares were traded by the Funds(as defined below) in multiple transactions at prices ranging from \$10.42 to \$10.90, inclusive. The

reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.

- 4. After giving effect to the transactions reported herein, and as a result of their ownership interest in Baker Biotech Capital (GP), LLC, Julian C. Baker and Felix J. Baker may be deemed to have an indirect pecuniary interest in the Issuer's shares of Common Stock reported in column 5 of Table I directly held by 667, L.P. ("667"), a limited partnership of which the sole general partner is Baker Biotech Capital, L.P., a limited partnership of which the sole general partner is Baker Biotech Capital, L.P., a limited partnership of which the sole general partner is Baker Biotech Capital, L.P. is right to receive an allocation of a portion of the profits from 667.
- 5. After giving effect to the transactions reported herein, and as a result of their ownership interest in Baker Brothers Life Sciences Capital (GP), LLC, Julian C. Baker and Felix J. Baker may be deemed to have an indirect pecuniary interest in the Issuer's shares of Common Stock reported in column 5 of Table I directly held by Baker Brothers Life Sciences, L.P. ("Life Sciences" and together with 667, the "Funds"), a limited partnership of which the sole general partner is Baker Brothers Life Sciences Capital, L.P., a limited partnership of which the sole general partner is Baker Brothers Life Sciences Capital, L.P.'s right to receive an allocation of a portion of the profits from Life Sciences.
- 6. The price reported in Column 4 is a weighted average price. These shares were traded by the Funds in multiple transactions at prices ranging from \$10.67 to \$10.70, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- 7. The price reported in Column 4 is a weighted average price. These shares were traded by the Funds in multiple transactions at prices ranging from \$10.63 to \$10.80, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- 8. The price reported in Column 4 is a weighted average price. These shares were traded by the Funds in multiple transactions at prices ranging from \$11.17 to \$11.25, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- 9. The price reported in Column 4 is a weighted average price. These shares were traded by the Funds in multiple transactions at prices ranging from \$10.91 to \$11.25, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- 10. The price reported in Column 4 is a weighted average price. These shares were traded by the Funds in multiple transactions at prices ranging from \$11.10 to \$11.25, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- 11. The price reported in Column 4 is a weighted average price. These shares were traded by the Funds in multiple transactions at prices ranging from \$10.49 to \$11.20, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- 12. The price reported in Column 4 is a weighted average price. These shares were traded by the Funds in multiple transactions at prices ranging from \$10.98 to \$11.00, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- 13. Baker Bros. Advisors LP (the "Adviser") serves as the Investment Adviser to the Funds. In connection with the services provided by the Adviser, the Adviser receives an asset-based management fee that does not confer any pecuniary interest in the securities held by the Funds. Baker Bros. Advisors (GP) LLC (the "Adviser GP") is the Adviser's sole general partner. Julian C. Baker and Felix J. Baker are principals of the Adviser GP. The Adviser has complete and unlimited discretion and authority with respect to the investment and voting power of the securities held by the Funds. The general partners of the Funds relinquished to the Adviser all discretion and authority with respect to the investment and voting power of the securities held by the Funds. Julian C. Baker, Felix J. Baker, the Adviser GP and the Adviser disclaim beneficial ownership of the securities held directly by the Funds except to the extent of their pecuniary interest therein, and this report shall not be deemed an admission that any of Julian C. Baker, Felix J. Baker, the Adviser GP or the Adviser is a beneficial owner of such securities for purposes of Section 16 or any other purpose.

Name: Scott L. Lessing Title:
President /s/ Scott L.

By: Baker Bros. Advisors (GP)

LLC, Name: Scott L. Lessing,
01/26/2016

Title: President /s/ Scott L.

01/20/2010

Lessing

<u>/s/ Felix J. Baker</u> <u>01/26/2016</u> <u>/s/ Julian C. Baker</u> <u>01/26/2016</u>

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.