SEC Form 4	
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(Street)

NEW YORK

NY

10065

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL					
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hours per response:	0.5				

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

Section obligat	this box if no lo n 16. Form 4 or ions may contin tion 1(b).		STAT		pursua	nt to Sec	tion 1	GES IN E 6(a) of the Se he Investmer	ecuritie	s Exch	ange Act o		RSHIP	Esti	B Number: mated ave rs per resp	rage bu	3235-0287 rden 0.5		
BAKER BROS. ADVISORS LP				<u>AQU</u>	. Issuer Name and Ticker or Trading Symbol AQUINOX PHARMACEUTICALS, INC [AQXP]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director X 10% Owner Officer (give title Other (specify							
				ate of Earliest Transaction (Month/Day/Year) 08/2017								ow) ``		belo					
(Street) NEW YORK NY 10065				Amendment, Date of Original Filed (Month/Day/Year)						6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person Form filed by More than One Reporting									
(City)	(5	State)	(Zip)										X Person Person						
			able I - Nor			-		-	Disp				-						
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Year)			2A. Deemed Execution Date, if any (Month/Day/Year)		Code (, Transaction Disposed Of (D) (Instr. 3, 4 Code (Instr.			uired (A) o Instr. 3, 4 a	and 5) 5. Ar Bene Own Repo	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)						
			Table II -	Derivati			Code V Amount (A) or (D) Pr curities Acquired, Disposed of, or Beneficia)	ce Tran (Inst	saction(s) r. 3 and 4)			(
			1			alls, wa	rrar	nts, optior	is, co	onver	tible se	curities	s)						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Dat if any (Month/Day/Ye	Code	saction e (Instr.	5. Numi of Derivat Securit Acquire (A) or Dispose of (D) (I 3, 4 and	ive ies ed ed instr.	6. Date Exer Expiration D (Month/Day/	ate	e and	d 7. Title and Amoun of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Own Form Direc or In (I) (Ir	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	e V	(A)	(D)	Date Exercisable	Expi Date	ration	Title	Amount or Number of Shares							
Non- Qualified Stock Option (right to buy)	\$13.74	05/08/2017		A		36,000		(1)	05/02	7/2027	Common Stock	36,000	\$0	36,000		I	See Footnotes ⁽¹⁾ (2)(3)		
		Reporting Person*		*				*				*							
(Last) (First) (Middle) 667 MADISON AVENUE, 21ST FLOOR																			
(Street) NEW Y	ORK	NY	10065	;															
(City)		(State)	(Zip)																
1. Name ar <u>667, L.</u>		Reporting Person*																	
(Last) 667 MA	DISION AV	(First) /ENUE, 21ST F	(Middle LOOR	2)															
(Street) NEW Y(ORK	NY	10065	;															
	nd Address of R FELIX	(State) Reporting Person*	(Zip)			-													
(Last)		(First) ENUE, 21ST FI	(Middle	?)															

(City)	City) (State) (
1. Name and Address of Reporting Person* BAKER JULIAN								
(Last) 667 MADISON A	(First) AVENUE, 21ST I	(Middle)						
(Street) NEW YORK	NY	10065						
(City)	(State)	(Zip)						
1. Name and Address of Reporting Person [*] Baker Bros. Advisors (GP) LLC								
(Last) (First) (Middle) 667 MADISION AVENUE, 21ST FLOOR								
(Street) NEW YORK	NY	New York						
(City)	(State)	(Zip)						
1. Name and Address of Reporting Person [*] Baker Brothers Life Sciences LP								
(Last) 667 MADISION	(First) AVENUE, 21ST	(Middle) FLOOR						
(Street) NEW YORK	NY	10065						
(City)	(State)	(Zip)						

Explanation of Responses:

1. 18,000 non-qualified stock options ("Stock Options") exercisable solely for common shares of Aquinox Pharmaceuticals, Inc. (the "Issuer") were granted to Dr. Kelvin M. Neu and 18,000 Stock Options were granted to Dr. Richard S. Levy, employees of Baker Bros. Advisors LP (the "Adviser"). The Stock Options granted pursuant to the Issuer's 2014 Equity Incentive Plan have a strike price of \$13.74 per share and vest in equal annual installments over three years.

2. Dr. Kelvin M. Neu and Dr. Richard S. Levy serve on the Issuer's Board of Directors (the "Board") as representatives of 667, L.P. ("667") and Baker Brothers Life Sciences, L.P. ("Life Sciences", and together with 667, the "Funds" and their affiliates). Pursuant to the policies of the Adviser, Dr. Kelvin M. Neu and Dr. Richard S. Levy do not have any right to any of the Issuer's securities issued as part of their service on the Board and the Funds are entitled to receive all the pecuniary interest in the securities issued. The Funds each own an indirect proprionate pecuniary interest in the Stock Options. Solely as a result of Felix J. Baker's and Julian C. Baker's ownership interest in the general partners of the Funds, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in the Stock Options (i.e. no direct pecuniary interest).

3. 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. 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. The general partners 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.

Remarks:

Remarks: Dr. Kevin M. Neu and Dr. Richard S. Levy, employees of Baker Bros. Advisors LP (the "Adviser") are directors of Aquinox Pharmaceuticals, Inc. ("the Issuer"). By virtue of their representation on the Board of Directors of the Issuer, for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, the reporting persons are deemed directors by deputization of the Issuer.

/s/ BAKER BROS. ADVISORS LP Name: Scott L. Lessing /s/ Scott L. Lessing	<u>05/09/2017</u>
Baker Bros. Advisors LP, Mgmt Co. and Inv. Adviser to 667, L.P., pursuant to authority granted to Baker Biotech Capital, L.P., GP to 667, L.P. Name: Scott L. Lessing, Title: President /s/ Scott L. Lessing	<u>05/09/2017</u>
<u>/s/ Felix J. Baker</u>	05/09/2017
<u>/s/ Julian C. Baker</u>	05/09/2017
<u>/s/ By: Baker Bros. Advisors</u> (<u>GP) LLC Name: Scott L.</u> Lessing Title: President /s/ Scott L. Lessing	<u>05/09/2017</u>
<u>/s/ Baker Bros. Advisors LP,</u> <u>Mgmt. Co. and Inv. Adviser to</u> <u>Baker Brothers Life Sciences,</u> <u>L.P., pursuant to authority</u> <u>granted to Baker Brothers Life</u> <u>Sciences Capital, L.P., GP to</u> <u>Baker Brothers Life Sciences</u> ,	<u>05/09/2017</u>

L.P. Name: Scott L. Lessing <u>Title: President</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.