

AQUINOX PHARMACEUTICALS, INC
 Form 3/A
 August 10, 2015

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *			2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â BAKER BROS. ADVISORS LP			(Month/Day/Year)	AQUINOX PHARMACEUTICALS, INC [AQXP]	
(Last)	(First)	(Middle)	08/07/2015		
667 MADISON AVENUE, 21ST FLOOR			4. Relationship of Reporting Person(s) to Issuer		5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)		08/10/2015
NEW YORK,Â NYÂ 10065			<input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below)		6. Individual or Joint/Group Filing(Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person
(City)	(State)	(Zip)			

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	2,260 ⁽¹⁾	D	Â
Common Stock	2,260 ⁽²⁾	D	Â

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

SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BAKER BROS. ADVISORS LP 667 MADISON AVENUE, 21ST FLOOR NEW YORK, NY 10065	Â	Â X	Â	Â
Baker Bros. Advisors (GP) LLC 667 MADISON AVENUE 21ST FLOOR NEW YORK, NY 10065	Â	Â X	Â	Â
BAKER JULIAN 667 MADISON AVENUE, 21ST FLOOR NEW YORK, NY 10065	Â	Â X	Â	Â
BAKER FELIX 667 MADISON AVENUE, 21ST FLOOR NEW YORK, NY 10065	Â	Â X	Â	Â

Signatures

Name: Scott L. Lessing Title: President /s/ Scott L. Lessing 08/10/2015
 __Signature of Reporting Person Date

Name: Scott L. Lessing Title: President /s/ Scott L. Lessing 08/10/2015
 __Signature of Reporting Person Date

/s/ Julian C. Baker 08/10/2015
 __Signature of Reporting Person Date

/s/ Felix J. Baker 08/10/2015
 __Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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).

(1) 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. This form 3 has been amended to reflect these shares inadvertently omitted from the previous filing.

(2) 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. This form 3 has been amended to reflect these shares inadvertently omitted from the previous filing.

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

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