FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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OMB APPROVAL

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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).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

1. Name and Address of Reporting Person* Reno Seth						2. Issuer Name and Ticker or Trading Symbol Gemphire Therapeutics Inc. [GEMP]							5. Relationship of Reporting Person(s) to Issu (Check all applicable) Director 10% Ow Officer (give title Other (s)			ner
(Last) (First) (Middle) 43334 SEVEN MILE ROAD SUITE 1000					3. Date of Earliest Transaction (Month/Day/Year) 08/04/2016							Chief Commercial Officer				
(Street) NORTHY (City)		MI State)	48167 (Zip)	4.	4. If Amendment, Date of Original Filed (Month/Day/Year)							dividual or Joint/Group Filing (Check Applicable) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned															
1. Title of Security (Instr. 3) 2. Trans Date				Transactio	action 2A. Deemed Execution Da			3. Transacti Code (Ins	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4		ed (A) or str. 3, 4 and 5	5. Amoun Securities Beneficia Owned Fo Reported Transacti	5. Amount of 6. C Securities For		Direct Ir ndirect B r. 4) C	. Nature of ndirect eneficial ewnership nstr. 4)
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)															
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Yea	4. Transa Code (8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported	ly C	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)			
Employee Stock Option (right to buy)	\$10	08/04/2016		A		150,000		(1)	08/03/2026	Common Stock	150,000	\$0	150,000	0	D	

Explanation of Responses:

1. The option vests in 48 equal consecutive monthly increments, so that all of the shares will be vested on the fourth anniversary of the date of grant.

Stephanie Swan, by Power of Attorney

08/05/2016

** 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.