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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

	(Amendment No)*		
	Gemphire Therapeutics Inc.		
	(Name of Issuer)		
	Common Stock, par value \$0.001 per share		
	(Title of Class of Securities)		
	36870A108		
	(CUSIP Number)		
	August E 2016		
	August 5, 2016 (Date of Event which Requires Filing of this Statement)		
	(Suc of Stem which required 1 mile of this outcoment)		
Cha	all the appropriate how to designate the rule purposent to which this Cahadula is filed.		
Cile	ck the appropriate box to designate the rule pursuant to which this Schedule is filed:		
[]	Rule 13d-1(b)		
[x]	Rule 13d-1(c)		
[A]	Kule 13u-1(t)		
[]	Rule 13d-1(d)		

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, *see* the Notes).

^{*} The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

1		porting Persons.			
	I.R.S. Identification Nos. of above persons (entities only)				
	Cormorant Gl	obal Healthcare Master Fund, LP			
2	Check the Ap	propriate Box if a Member of a Group (See Instructions)			
	(a) []				
	(b) [x]				
3	SEC Use Only				
4	Citizenship or Place of Organization.				
	Cayman Islands				
		5 Sole Voting Power			
		0 shares			
	N. 1	6 Shared Voting Power			
	Number of Shares	748,350 shares			
	Beneficially Owned by	Refer to Item 4 below.			
	Each	7 Sole Dispositive Power			
	Reporting	0 shares			
	Person With				
		8 Shared Dispositive Power			
		748,350 shares			
		Refer to Item 4 below.			
9	Aggregate Amount Beneficially Owned by Each Reporting Person				
	748,350 share	es s			
	Refer to Item 4 below.				
10	Check if the A	Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) [] N/A			
11	Percent of Cla	ass Represented by Amount in Row (9)*			
	8.1%				
	Refer to Item	4 below.			
12		rting Person (See Instructions)			
	PN (Partnersh				

1	Names of Reporting Persons.				
	I.R.S. Identifi	cation Nos. of above persons (entities only)			
	Cormorant G	lobal Healthcare GP, LLC			
2	Check the Ap	propriate Box if a Member of a Group (See Instructions)			
	(a) []				
	(b) [x]				
3	SEC Use Onl				
4	Citizenship or Place of Organization.				
	Delaware				
		5 Sole Voting Power			
		0 shares			
		6 Shared Voting Power			
	Number	748,350 shares			
	of Shares Beneficially				
	Owned by	Refer to Item 4 below.			
	Each	7 Sole Dispositive Power			
	Reporting Person With	0 shares			
		8 Shared Dispositive Power			
		748,350 shares			
		Refer to Item 4 below.			
9	Aggregate At	nount Beneficially Owned by Each Reporting Person			
5					
	748,350 shares				
	Refer to Item 4 below.				
10		Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) [] N/A			
11	Percent of Cl	ass Represented by Amount in Row (9)*			
	8.1%				
	Refer to Item	4 below.			
12	Type of Repo	rting Person (See Instructions)			
	OO (Limited	Liability Company)			

1	Names of Reporting Persons.					
	I.R.S. Identification Nos. of above persons (entities only)					
	Cormorant Asset Management, LLC					
2	Check the Ap	propriate Box if a Member of a Group (See Instructions)				
	(a) []					
-	(b) [x]					
3	SEC Use Only	y				
4	Citizenship or Place of Organization.					
	Delaware					
		5 Sole Voting Power				
		0 shares				
		6 Shared Voting Power				
	Number	900,000 shares				
	of Shares	500,000 Shales				
	Beneficially Owned by	Refer to Item 4 below.				
	Each	7 Sole Dispositive Power				
	Reporting	0 shares				
	Person With					
		8 Shared Dispositive Power				
		900,000 shares				
	Refer to Item 4 below.					
9	Aggregate An	nount Beneficially Owned by Each Reporting Person				
	900,000 share	es e				
	Refer to Item	a 4 below.				
10	Check if the A	Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) [] N/A				
11	Percent of Cla	ass Represented by Amount in Row (9)*				
	9.7%					
	Refer to Item	4 below.				
12	Type of Repo	rting Person (See Instructions)				
	OO (Limited	Liability Company)				

1		orting Persons.			
	I.R.S. Identific	cation Nos. of above persons (entities only)			
	Bihua Chen				
2	Check the App	propriate Box if a Member of a Group (See Instructions)			
	(a) []				
	(b) [x]				
3	SEC Use Only				
4	Citizenship or Place of Organization.				
	United States				
		5 Sole Voting Power			
		0 shares			
		6 Shared Voting Power			
	Number	000 000 1			
	of Shares	900,000 shares			
	Beneficially Owned by	Refer to Item 4 below.			
	Each	7 Sole Dispositive Power			
	Reporting	0 shares			
	Person With				
		8 Shared Dispositive Power			
		900,000 shares			
		Refer to Item 4 below.			
9	Aggregate Am	nount Beneficially Owned by Each Reporting Person			
	900,000 share	S			
	Refer to Item	4 below.			
10		ggregate Amount in Row (9) Excludes Certain Shares (See Instructions) [] N/A			
11	Percent of Cla	ss Represented by Amount in Row (9)*			
	9.7%				
	Refer to Item	4 below.			
12	Type of Repor	ting Person (See Instructions)			
	IN (Individual)			

(a)	Name of Issuer
	Gemphire Therapeutics Inc.
(b)	Address of Issuer's Principal Executive Offices
	43334 Seven Mile Road, Suite 1000 Northville, MI 48167
Item 2.	
(a)	Name of Person Filing
	Cormorant Global Healthcare Master Fund, LP Cormorant Global Healthcare GP, LLC Cormorant Asset Management, LLC Bihua Chen
(b)	Address of Principal Business Office or, if none, Residence
	200 Clarendon Street, 52nd Floor Boston, MA 02116
(c)	Citizenship
	Cormorant Global Healthcare Master Fund, LP - Cayman Islands Cormorant Global Healthcare GP, LLC - Delaware Cormorant Asset Management, LLC - Delaware Bihua Chen - United States
(d)	Title of Class of Securities
	Common Stock
(e)	CUSIP Number

36870A108

Item 1.

(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). Insurance Company as defined in Section 3(a)(19) of the Act (c) [] Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8). (d) [] (e) [] An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E); An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F); (f) [] A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G); (g) [] (h) [] A savings associations 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(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3); A non-U.S. institution in accordance with §240.13d–1(b)(1)(ii)(J); []

If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

(k) [] Group, in accordance with §240.13d-1(b)(1)(ii)(K).

(k) [] Group, in accordance with \$240.130-1(0)(1)(11)(18)

Item 4. Ownership***

Item 3.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount Beneficially Owned***

Cormorant Global Healthcare Master Fund, LP – 748,350 shares Cormorant Global Healthcare GP, LLC - 748,350 shares Cormorant Asset Management, LLC - 900,000 shares Bihua Chen - 900,000 shares

- (b) Percent of Class
 Cormorant Global Healthcare Master Fund, LP 8.1%
 Cormorant Global Healthcare GP, LLC 8.1%
 Cormorant Asset Management, LLC 9.7%
 Bihua Chen 9.7%
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote

Cormorant Global Healthcare Master Fund, LP - 0 shares Cormorant Global Healthcare GP, LLC - 0 shares Cormorant Asset Management, LLC - 0 shares Bihua Chen - 0 shares

(ii) shared power to vote or to direct the vote

Cormorant Global Healthcare Master Fund, LP – 748,350 shares Cormorant Global Healthcare GP, LLC - 748,350 shares Cormorant Asset Management, LLC - 900,000 shares Bihua Chen - 900,000 shares

(iii) sole power to dispose or to direct the disposition of

Cormorant Global Healthcare Master Fund, LP - 0 shares Cormorant Global Healthcare GP, LLC - 0 shares Cormorant Asset Management, LLC - 0 shares Bihua Chen - 0 shares

(iv) shared power to dispose or to direct the disposition of

Cormorant Global Healthcare Master Fund, LP - 748,350 shares Cormorant Global Healthcare GP, LLC - 748,350 shares Cormorant Asset Management, LLC - 900,000 shares Bihua Chen - 900,000 shares

*** Shares reported herein for Cormorant Asset Management, LLC represent shares which are beneficially owned by Cormorant Global Healthcare Master Fund, LP (the "Fund"), as reported herein, and shares which are beneficially owned by a managed account (the "Account"). Cormorant Global Healthcare GP, LLC serves as the general partner of the Fund, and Cormorant Asset Management, LLC serves as the investment manager to both the Fund and the Account. Bihua Chen serves as the managing member of Cormorant Global Healthcare GP, LLC and Cormorant Asset

Management, LLC. Each of the Reporting Persons disclaims beneficial ownership of the shares reported herein except to the extent of its or his pecuniary interest therein.

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [].

Item 6. Ownership of More than Five Percent on Behalf of Another Person

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company

Not applicable.

Item 8. Identification and Classification of Members of the Group

Not applicable.

Item 9. Notice of Dissolution of Group

Not applicable.

Item 10. Certification

By signing below I certify that, to the best of my 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.

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.

August 15, 2016

CORMORANT GLOBAL HEALTHCARE MASTER FUND, LP

By: Cormorant Global Healthcare GP, LLC

its General Partner

By: /s/ Bihua Chen

Bihua Chen, Managing Member

CORMORANT GLOBAL HEALTHCARE GP, LLC

By: /s/ Bihua Chen

Bihua Chen, Managing Member

CORMORANT ASSET MANAGEMENT, LLC

By: /s/ Bihua Chen

Bihua Chen, Managing Member

/s/ Bihua Chen

Bihua Chen

JOINT FILING AGREEMENT

This Joint Filing Agreement, dated as of August 15, 2016, is by and among Cormorant Global Healthcare Master Fund, LP, Cormorant Global Healthcare GP, LLC, Cormorant Asset Management, LLC and Bihua Chen (collectively, the "Filers").

Each of the Filers may be required to file with the United States Securities and Exchange Commission a statement on Schedule 13D and/or 13G with respect to shares of Common Stock of Gemphire Therapeutics Inc. beneficially owned by them from time to time.

Pursuant to and in accordance with Rule 13(d)(1)(k) promulgated under the Securities Exchange Act of 1934, as amended, the Filers hereby agree to file a single statement on Schedule 13D and/or 13G (and any amendments thereto) on behalf of each of the Filers, and hereby further agree to file this Joint Filing Agreement as an exhibit to such statement, as required by such rule.

This Joint Filing Agreement may be terminated by any of the Filers upon written notice or such lesser period of notice as the Filers may mutually agree.

Executed and delivered as of the date first above written.

CORMORANT GLOBAL HEALTHCARE MASTER FUND, LP

By: Cormorant Global Healthcare GP, LLC

its General Partner

By: /s/ Bihua Chen

Bihua Chen, Managing Member

CORMORANT GLOBAL HEALTHCARE GP, LLC

By: /s/ Bihua Chen

Bihua Chen, Managing Member

CORMORANT ASSET MANAGEMENT, LLC

By: /s/ Bihua Chen

Bihua Chen, Managing Member

/s/ Bihua Chen Bihua Chen