FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

					or	r Section	on 30(h) of the	Inve	estme	nt Co	mpany A	ct of 19	940									
1. Name and Address of Reporting Person* Flagship Ventures Fund 2007, L.P.				<u> </u>	2. Issuer Name and Ticker or Trading Symbol AGIOS PHARMACEUTICALS INC AGIO									Relationship of Reporting Person(s) to Issuer (Check all applicable) Director X 10% Owner									
						3. Date of Earliest Transaction (Month/Day/Year) 07/29/2013										Officer (gi	ficer (give title low)		Other below	(specify			
7TH FLOOR 4. If Ar						. If Amendment, Date of Original Filed (Month/Day/Year)									6. Inc	6. Individual or Joint/Group Filing (Check Applicable							
(Street) CAMBRIDGE MA 02142 (City) (State) (Zip)															Form filed by One Reporting Person X Form filed by More than One Reporting Person								
		Tabl	e I -	Non-De	rivati	ve Se	curit	ies A	cqui	ired.	Dis	sposed	of, o	r Bene	eficially	v 0	wned						
1. Title of Security (Instr. 3) 2. Transactic Date (Month/Day/				ction	2A. Deemed Execution Date,		3. Transaction Code (Instr. 8)		4. Securi Disposed 5)	(A) or		5. Amount of Securities Beneficially Owned		6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership							
									Cod	de	v	Amount		(A) or (D)	Price		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)		(Instr. 4)		
Common Stock 07/29/2013					2013	3			(C		3,860,738(1)		A	\$0.00		3,860,738		D ⁽²⁾				
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)	curity (Instr. 3) Conversion or Exercise (Month/Day/Year) Price of Derivative (Month/Day/Year)		eemed ution Date, if th/Day/Year)	d 4. Transact Date, if Code (Instr		saction 5. Number of		6. Date Exerc		cisable and 7. Title and Amou		unt of lying		8. Price of Derivative Security (Instr. 5)	9. Numb derivativ Securitie Benefici Owned	e Owners s Form: Direct (I	Ownership Form: Direct (D) or Indirect	Beneficial Ownership (Instr. 4)					
	Security				Code	v	(A)	(D)		Date Exercis	sable	Expiration Date	N		Amount or Number of Shares			Followir Reporte Transac (Instr. 4)	d tion(s)	(I) (Instr. 4)			
Series A Convertible Preferred Stock	(3)	07/29/2013			С			10,000,	000	(3)		(3)	Common Stock				63	(3)	0		D ⁽²⁾		
Series C-2 Convertible Preferred Stock	(3)	07/29/2013			C			617,03	31	(3))	(3) Common Stock 2				5	(3)	0		D ⁽²⁾			
1. Name and Ad Flagship \				<u>L.P.</u>																			
(Last) (First) (Middle) ONE MEMORIAL DRIVE 7TH FLOOR																							
(Street) CAMBRIDGE MA 02142																							
(City) (State) (Zip)																							

1. Name and Address of Reporting Person*							
AFEYAN NO	<u>UBAR</u>						
-							
(Last)	(First)	(Middle)					
ONE MEMORIAI	L DRIVE						
7TH FLOOR							
-							
(Street)	264	02142					
CAMBRIDGE	MA	02142					
(City)	(State)	(Zip)					
1. Name and Address	of Reporting Person*						
KANIA EDWI							
TOTALEDVII							
(Last)	(First)	(Middle)					
ONE MEMORIAI	DRIVE						
7TH FLOOR	J DIG ()						
(Street)							
CAMBRIDGE	MA	02142					
-							
(City)	(State)	(Zip)					
1. Name and Address	of Reporting Person*						
Flagship Ventures 2007 General Partner LLC							
(Last)	(First)	(Middle)					
ONE MEMORIAI	DRIVE						
7TH FLOOR							
(Street)							
CAMBRIDGE	MA	02142					
(City)	(State)	(Zip)					
Explanation of Boons	• •						

Explanation of Responses:

- 1. Represents the total number of shares received upon conversion of shares of the Issuer's Series A Convertible Preferred Stock (the "Series A Shares") and Series C-2 Convertible Preferred Stock (the "Series C-2 Shares", and together with the Series A Shares, collectively, the "Preferred Shares").
- 2. These shares are held by Flagship Ventures Fund 2007, L.P. ("Flagship 2007"). Flagship Ventures 2007 General Partner, LLC ("Flagship 2007 LLC") is the general partner of Flagship 2007. Noubar B. Afeyan Ph.D. and Edwin M. Kania, Jr. are the managers of Flagship 2007 LLC. Flagship 2007 LLC and each of these individuals may be deemed to share voting and investment power with respect to all shares held by Flagship 2007. Each of the filing persons disclaims beneficial ownership of the shares except to the extent of any pecuniary interest therein.
- 3. Effective upon the closing of the Issuer's initial public offering of its Common Stock, each Preferred Share automatically converted at a ratio of 1-for-2.75 into the number of shares of Common Stock shown in column 7. The Preferred Shares had no expiration date.

Remarks:

By: /s/ Noubar B. Afeyan Ph. D., for Flagship Ventures Fund 2007, L.P. as Manager of 07/31/2013 Flagship Ventures 2007 General Partner LLC, its General Partner By: /s/ Noubar B. Afeyan Ph. 07/31/2013 <u>D.</u> /s/ Edwin M. Kania, Jr. 07/31/2013 /s/ Noubar B. Afeyan Ph. D., as Manager of Flagship Ventures 07/31/2013 2007 General Partner LLC ** 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.