

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, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person * Arch Venture Fund VII LP (Last) (First) (Middle) 8725 WEST HIGGINS ROAD, SUITE 290 (Street) CHICAGO IL 60631 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol AGIOS PHARMACEUTICALS INC [AGIO]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) 07/29/2013	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	07/29/2013		C		3,860,738 ⁽¹⁾	A	\$ 0	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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 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 Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: 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				
Series A Convertible Preferred Stock	(3)	07/29/2013		c			10,000,000	(3)	(3)	Common Stock	3,636,363	(3)	0	D (2)	
Series C-2 Convertible Preferred Stock	(3)	07/29/2013		c			617,031	(3)	(3)	Common Stock	224,375	(3)	0	D (2)	

1. Name and Address of Reporting Person *

Arch Venture Fund VII LP

(Last) (First) (Middle)
8725 WEST HIGGINS ROAD, SUITE 290

(Street)
CHICAGO IL 60631

(City) (State) (Zip)

1. Name and Address of Reporting Person *

ARCH Venture Partners VII, L.P.

(Last) (First) (Middle)
8725 WEST HIGGINS ROAD, SUITE 290

(Street)
CHICAGO IL 60631

(City) (State) (Zip)

1. Name and Address of Reporting Person *

ARCH Venture Partners VII, LLC

(Last) (First) (Middle)
8725 WEST HIGGINS ROAD, SUITE 290

(Street)
CHICAGO IL 60631

(City) (State) (Zip)

1. Name and Address of Reporting Person *

BYBEE CLINTON

(Last) (First) (Middle)
8725 WEST HIGGINS ROAD, SUITE 290

(Street)
CHICAGO IL 60631

(City)	(State)	(Zip)
1. Name and Address of Reporting Person *		
CRANDELL KEITH		
(Last)	(First)	(Middle)
8725 WEST HIGGINS ROAD, SUITE 290		
(Street)		
CHICAGO	IL	60631
(City)	(State)	(Zip)

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 ARCH Venture Fund VII, L.P. ("ARCH Fund VII"). The sole general partner of ARCH Fund VII is ARCH Venture Partners VII, L.P. ("ARCH Partners VII"), which may be deemed to be the beneficial owner of the shares held by ARCH Fund VII. The sole general partner of ARCH Partners VII is ARCH Venture Partners VII, LLC ("ARCH VII LLC"), which may be deemed to be the beneficial owner of the shares held by ARCH Fund VII. ARCH Partners VII and ARCH VII LLC disclaim beneficial ownership of such shares, except to the extent of any pecuniary interest therein. The managing directors of ARCH VII LLC are Keith Crandell, Clinton Bybee and Robert Nelsen, and they may be deemed to beneficially own the shares held by ARCH Fund VII. Messrs. Crandell, Bybee and Nelsen disclaim beneficial ownership of such 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.

By: /s/ Mark McDonnell, as
Attorney-in-Fact for Keith
Crandell, Managing
Director of the general 07/31/2013
partner of the general
partner of ARCH Venture
Fund VII, L.P.

By: /s/ Mark McDonnell, as
Attorney-in-Fact for Keith
Crandell, Managing 07/31/2013
Director of the general
partner of ARCH Venture
Partners VII, L.P.

By: /s/ Mark McDonnell, as
Attorney-in-Fact for Keith
Crandell, Managing 07/31/2013
Director of ARCH Venture
Partners VII, LLC

By: /s/ Mark McDonnell, as
Attorney-in-Fact for Clinton 07/31/2013
Bybee

By: /s/ Mark McDonnell, as
Attorney-in-Fact for Keith 07/31/2013
Crandell

** 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.