FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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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).

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* IONIS PHARMACEUTICALS INC						2. Issuer Name and Ticker or Trading Symbol AKCEA THERAPEUTICS, INC. [AKCA]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director X 10% Owner					
(Last) (First) (Middle) 2855 GAZELLE COURT						3. Date of Earliest Transaction (Month/Day/Year) 12/17/2019										icer (give title ow)	Other below)		(specify	
(Street) CARLSBAD CA 92010 (City) (State) (Zip)					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
		Tabl	e I - Noi	n-Deriv	ative	Sec	uritie	s Acc	quired,	Dis	posed o	f, or	Bene	ficia	lly Owi	ned				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da						Execution Date,			Transaction Disposed (Code (Instr. 5)			ties Acquired (A) I Of (D) (Instr. 3, 4			d Seci Ben Owr	mount of urities eficially ed Following orted	Form (D) o	wnership n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(4	A) or D)	Price	Tran	saction(s) r. 3 and 4)			(111511.4)	
Common Stock 12/17/2						2019		J ⁽¹⁾		6,873,3	344 A		(1)	7	77,094,682		D			
	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)	ivative Conversion Date Execution Date, urity or Exercise (Month/Day/Year) if any			4. Transa Code (I 8)		of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		tr. 3	8. Price of Derivative Security (Instr. 5)		Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amo or Num of Shar	ber						

Explanation of Responses:

1. Shares issued in satisfaction of the Issuer's obligations to the Reporting Person pursuant to that certain Development, Commercialization and License Agreement, dated December 18, 2015, between the Issuer and the Reporting Person.

Remarks:

/s/ By Elizabeth L. Hougen, Sr.
Vice President, Finance and
Chief Finacial Officer of Ionis
Pharmaceuticals, Inc.

** 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.

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