

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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* <u>ALEXANDRIA REAL ESTATE EQUITIES, INC.</u> (Last) (First) (Middle) 26 NORTH EUCLID AVENUE (Street) PASADENA CA 91101 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Applied Therapeutics Inc. [APLT]</u>	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) 02/17/2021	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	02/17/2021		P		43,478	A	\$23	1,287,455	I	By subsidiary ⁽¹⁾
Common Stock	02/17/2021		J		43,478 ⁽²⁾	D	(2)	1,243,977	I	By subsidiary ⁽¹⁾
Common Stock	02/17/2021		J		43,478 ⁽²⁾	A	(2)	2,190,077	I	By subsidiary ⁽³⁾

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 Securities Underlying Derivative Security (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: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					

1. Name and Address of Reporting Person* <u>ALEXANDRIA REAL ESTATE EQUITIES, INC.</u> (Last) (First) (Middle) 26 NORTH EUCLID AVENUE (Street) PASADENA CA 91101 (City) (State) (Zip)
1. Name and Address of Reporting Person* <u>Alexandria Equities No. 7, LLC</u> (Last) (First) (Middle) 26 NORTH EUCLID AVENUE (Street) PASADENA CA 91101 (City) (State) (Zip)
1. Name and Address of Reporting Person*

Alexandria Venture Investments, LLC

(Last) (First) (Middle)

26 NORTH EUCLID AVENUE

(Street)

PASADENA CA 91101

(City)

(State)

(Zip)

Explanation of Responses:

1. These shares are held directly by Alexandria Equities No. 7, LLC ("AE7"), a wholly owned subsidiary of Alexandria Real Estate Equities, Inc.
2. These shares have been transferred from AE7 to Alexandria Venture Investments, LLC ("AVI") upon acquisition, an affiliate of AE7 and another wholly owned subsidiary of Alexandria Real Estate Equities, Inc.
3. These shares are held directly by AVI.

Remarks:

ALEXANDRIA EQUITIES
NO. 7, LLC By: ARE-Special
Services, LLC, managing
member By: ALEXANDRIA
REAL ESTATE EQUITIES,
L.P., managing member By: 02/18/2021
ARE-QRS CORP., general
partner By: /s/ Dean A.
Shigenaga, Chief Financial
Officer
By: /s/ Dean A. Shigenaga
Chief Financial Officer
ALEXANDRIA EQUITIES 02/18/2021
NO. 7, LLC By: ARE-Special
Services, LLC, managing
member
By: ALEXANDRIA REAL
ESTATE EQUITIES, L.P.,
managing member By: ARE-
QRS CORP., general partner 02/18/2021
By: /s/ Dean A. Shigenaga,
Chief Financial Officer

** 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.