

OMB APPROVAL	
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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

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

1. Name and Address of Reporting Person* <u>MARCUS JOEL S</u> (Last) (First) (Middle) <u>C/O APPLIED THERAPEUTICS, INC.</u> <u>545 FIFTH AVENUE, SUITE 1400</u> (Street) <u>NEW YORK NY 10017</u> (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) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>09/14/2022</u>	
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	09/14/2022		M		7,389	A	\$1.05	390,184 ⁽¹⁾	D	
Common Stock	09/14/2022		M		10,230	A	\$1.05	400,414	D	
Common Stock	09/14/2022		M		16,500	A	\$1.05	416,914	D	
Common Stock	09/14/2022		M		4,125	A	\$1.05	421,039	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)	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				
Employee Stock Option (Right to Buy)	\$1.05	09/14/2022		M		7,389	(2)	05/12/2029	Common Stock	7,389	\$0.00	0	D	
Employee Stock Option (Right to Buy)	\$1.05	09/14/2022		M		10,230	(2)	06/03/2030	Common Stock	10,230	\$0.00	0	D	
Employee Stock Option (Right to Buy)	\$1.05	09/14/2022		M		16,500	(2)	06/02/2031	Common Stock	16,500	\$0.00	0	D	
Employee Stock Option (Right to Buy)	\$1.05	09/14/2022		M		4,125	(3)	06/02/2032	Common Stock	4,125	\$0.00	12,375	D	

Explanation of Responses:

- Includes 67,435 shares previously reported as indirectly held through a family trust of which the reporting person and his spouse are trustees. In accordance with SEC guidance with respect to shares held by living trusts, such shares are now included in the shares directly owned by the reporting person.
- These Options are fully vested.
- Reflects an initial grant of 16,500 Options granted on June 3, 2022 to directors under Applied Therapeutics, Inc.'s 2019 Equity Incentive Plan. One-twelfth (1/12th) of the shares subject to the Option shall vest on July 2, 2022 and each month thereafter, subject to the Reporting Person continuing to provide services through each such date.

Remarks:

/s/ Shoshana Shendelman, as attorney-in-fact 09/16/2022

** 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.