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).

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule

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

10b5-1(c). See	e Instruction 10.			
Name and Address of Reporting Person Gruia Gabriela			2. Issuer Name and Ticker or Trading Symbol Molecular Templates, Inc. [MTEM]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 10/27/2023	X Director 10% Owner Officer (give title Other (specify below)
9301 AMBER	ULAR TEMPLAT RGLEN BLVD., SI		4. If Amendment, Date of Original Filed (Month/Day/Year)	Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person
(Street) AUSTIN	TX	78729		
(Citv)	(State)	(Zip)		

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

1. Title of Security (Instr. 3)	Date (Month/Day/Year)	Execution Date, Transaction					Securities Beneficially Owned Following Reported	Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(111501.4)

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. Transac Code (Ir 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)		Derivative	9. Number of derivative Securities Beneficially Owned Following Reported	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	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)		
Stock Option (right to buy)	\$6.06	10/27/2023 ⁽¹⁾		A		1,000		(2)	10/27/2033	Common Stock	1,000	\$0.00	1,000	D	

Explanation of Responses:

- 1. The figures reflected herein have been adjusted to take into account a 1 for 15 reverse split of the Company's common stock that was effected on August 11, 2023.
- 2. The shares of common stock exercisable pursuant to the option will vest in full upon completion of continuous service for the Issuer on the first anniversary of the vesting commencement date of October 27, 2023.

/s/ Gabriela Gruia

10/31/2023

** 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.