FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL							
OMB Number:	3235-0287						
Estimated average burden							
hours per response:	0.5						

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 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person*  Kim Jason S.					2. Issuer Name <b>and</b> Ticker or Trading Symbol  Molecular Templates, Inc. [ MTEM ]								Relationship of Reporting Person(s) to Issuer (Check all applicable)					
(Last)	(First)	) (( MPLATES, INC	Middle)		3. Date of Earliest Transaction (Month/Day/Year) 02/15/2023								X		Director Officer (give title below) See remains		10% Owner Other (specify below)	
9301 AMBERGLEN BLVD., SUITE 100 (Street)					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					
AUSTIN (City)	TX (State		78729 Zip)	-														9
		Т	able I - Nor	n-Deriva	tive S	ecuritie	s Acc	quired, C	Dispo	osed o	f, or Bene	ficially	Owr	ned				
1. Title of Security (Instr. 3)  2. Trans Date (Months						2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Dispose Code (Instr.		ities Acquired d Of (D) (Instr.		Beneficiall Following		ly Owned or Reported (In		: Direct (D) lirect (I) . 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
								Code	v	Amount	t (A) or (D)			Transaction(s) (Instr. 3 and 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/Yea	Code (		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)		str.	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s		Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisabl		piration ate	Title	Amoun Numbe Shares			(Instr. 4)	(e)(i)		
Stock Option (right to buy)	\$0.4812	02/15/2023		A		170,000		(1)	02/	/14/2033	Common Stock	170,0	00	\$0.00	170,00	00	D	

## Explanation of Responses:

1. 25% of the shares subject to the option shall vest on February 15, 2024, and thereafter, the remaining 75% of the shares subject to the option shall vest pro rata on a monthly basis over the following 36 months.

## Remarks:

President, Chief Operating Officer, and Interim Chief Financial Officer

<u>/s/ Jason S. Kim</u> <u>02/17/2023</u>

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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.

 $<sup>^{\</sup>star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

<sup>\*\*</sup> Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).