Kramer Christian Form 4 February 20, 2018

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Expires:

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if no longer subject to Section 16. Form 4 or Form 5 obligations

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Kramer Christian Issuer Symbol INTERMOLECULAR INC [IMI] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director 10% Owner X_ Officer (give title Other (specify C/O INTERMOLECULAR, 02/15/2018 below) INC., 3011 NORTH FIRST STREET President and CEO (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting SAN JOSE, CA 95134 Person (City) (State) (Zip) Table I. Non Desirative Securities Assured Disposed of an Deneficially Or

(- 3)	(4.1.1.)	1 abi	e 1 - Non-	·DO	erivative Se	curitie	es Acqu	iirea, Disposea oi	, or Beneficiali	y Ownea
1.Title of	2. Transaction Date	2A. Deemed	3.		4. Securities	s Acqu	iired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transact	tio	n(A) or Disp	osed o	f (D)	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code (Instr. 3, 4 and 5)			Beneficially	(D) or	Beneficial		
		(Month/Day/Year)	(Instr. 8))				Owned	Indirect (I)	Ownership
								Following	(Instr. 4)	(Instr. 4)
						()		Reported		
						(A)		Transaction(s)		
			Code V	V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock (1)	02/15/2018		A		150,000	A	\$0	150,000	D	

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

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. Transactic Code (Instr. 8)	5. Number of or Derivative Securities Acquired (A) or Disposed of (D (Instr. 3, 4, and 5)	Expiration D (Month/Day	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Ootion (right to buy)	\$ 1.3501	02/15/2018		A	150,000	<u>(2)</u>	02/14/2028	Common Stock	150,000	

Reporting Owners

Reporting Owner Name / Address	Relationships						
• 0	Director	10% Owner	Officer	Other			
Kramer Christian C/O INTERMOLECULAR, INC. 3011 NORTH FIRST STREET SAN JOSE, CA 95134	X		President and CEO				

Signatures

/s/ Bill Roeschlein, as 02/20/2018 attorney-in-fact **Signature of Reporting Person

Explanation of Responses:

- 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).

Date

- Each restricted stock unit represents a contingent right to receive one share of the Issuer's common stock. The restricted stock units vest on February 8, 2021.
- (2) The option grant vests monthly over 4 years from the date of grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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