

OMB APPROVAL	
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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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>SUBIN NEIL S</u> (Last) (First) (Middle) 3300 SOUTH DIXIE HIGHWAY SUITE 1-365 (Street) WEST PALM BEACH FL 33405 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 01/12/2018	3. Issuer Name and Ticker or Trading Symbol <u>INTERMOLECULAR INC [IMI]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)	5. 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 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	320,136 ⁽¹⁾⁽²⁾	I	By Trust A-3 - Lloyd I. Miller
Common Stock	1,471,716 ⁽¹⁾⁽²⁾	I	By LIM III - Trust A-4
Common Stock	1,471,716 ⁽¹⁾⁽²⁾	I	By MBM - Trust A-4
Common Stock	49,318 ⁽¹⁾⁽²⁾	I	By LIMFAM LLC
Common Stock	70,368 ⁽¹⁾⁽²⁾	I	By Lloyd I. Miller, III Revocable Trust
Common Stock	14,149 ⁽¹⁾⁽²⁾	I	By Milfam I L.P.
Common Stock	1,780,911 ⁽¹⁾⁽²⁾	I	By Milfam II L.P.

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
			Title			

Explanation of Responses:

- Except for possessing voting and dispositive power, the reporting person disclaims any other beneficial ownership of, and specifically any pecuniary interest in, the securities reported herein. This filing is not, and shall not be deemed, an admission (and the reporting person expressly disclaims) that the reporting person is, for purposes of Rule 16a-1(a)(2) under Section 16 of the Securities Exchange Act of 1934, the beneficial owner of any equity securities covered by this filing.
- Mr. Neil Subin has succeeded to the position of President and Manager of MILFAM LLC, which serves as manager, general partner, or investment advisor of a number of entities formerly managed or advised by the late Lloyd I. Miller, III. Mr. Subin also serves as trustee of a number of Miller family trusts. There has been no acquisition transaction by the reporting person with respect to the securities reported herein within the meaning of Section 16 of the Securities Exchange Act.

Remarks:

/s/ Paul N. Silverstein 01/22/2018
Attorney-in-fact

** 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 5 (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.

LIMITED POWER OF ATTORNEY
FOR SECTION 16 REPORTING OBLIGATIONS

Know all by these presents, that the undersigned hereby makes, constitutes and appoints Paul N. Silverstein, as the undersigned's true and lawful attorney-in-fact with full power and authority as hereinafter described to:

(1) prepare, execute and acknowledge for and on behalf of the undersigned, in the undersigned's capacity as an officer, director and/or a beneficial owner of more than 10 percent of common stock of Intermolecular, Inc. (the "Company"), Forms 3, 4, and 5 (including any amendments thereto) in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder (the "Exchange Act");

(2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to prepare, complete and execute any such Form 3, 4, or 5, prepare, complete and execute any amendment or amendments thereto, and timely deliver and file such form with the United States Securities and Exchange Commission and any stock exchange or similar authority;

(3) seek or obtain, as the undersigned's representative and on the undersigned's behalf, information regarding transactions in the Company's securities from any third party, including brokers, employee benefit plan administrators and trustees, and the undersigned hereby authorizes any such person to release any such information to such attorney-in-fact and approves and ratifies any such release of information; and

(4) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Limited Power of Attorney shall be in such form and shall contain such terms and conditions as the attorney-in-fact may approve in the attorney-in-fact's discretion.

The undersigned hereby grants to the attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that the attorney-in-fact, or the attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that: (i) this power of attorney authorizes the attorney-in-fact to act in his discretion in preparing Forms 3, 4 and 5 on information provided to the attorney-in-fact without independent verification of such information; (ii) the attorney-in-fact, in serving in such capacity at the request of the undersigned, is not assuming nor relieving, nor is the Company assuming nor relieving, any of the undersigned's responsibilities to comply with Section 16 of the Exchange Act; (iii) neither the Company nor the foregoing attorney-in-fact assume any liability for the undersigned's responsibility to comply with the requirement of the Exchange Act or any obligation or liability of the undersigned for profit disgorgement under Section 16(b) of the Exchange Act.

This Limited Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Limited Power of Attorney to be executed as of this 19th day of January, 2018.

/s/ Neil S. Subin

Signature

Neil S. Subin

Print Name