

INTERMOLECULAR INC  
Form SC 13G/A  
May 15, 2017

**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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**SCHEDULE 13G/A**

(Rule 13d-102)

**INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT  
TO RULES 13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO RULE 13d-2(b)**

**(Amendment No. 3)\***

Intermolecular, Inc.  
(Name of Issuer)

Common Stock  
(Title of Class of Securities)

45882D109  
(CUSIP Number)

May 11, 2017  
(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

o Rule 13d-1(d)

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\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

**SCHEDULE 13G/A3**

**CUSIP No. 45882D109 Page 2 of 5 Pages**

**NAME OF REPORTING  
PERSON**

**1**

Lloyd I.  
Miller, III

**CHECK THE  
APPROPRIATE**

**2**

**BOX IF A (a) o**  
**MEMBER OF**  
**A GROUP\***

**(b) o**

**3**

**SEC USE ONLY**

**4**

**CITIZENSHIP OR  
PLACE OF  
ORGANIZATION**

United States

**NUMBER OF**

**5 SOLE  
VOTING  
POWER**

**SHARES**

4,978,227

**BENEFICIALLY**

**6 SHARED  
VOTING  
POWER**

**OWNED BY**

**EACH**

0

**REPORTING**

**7 SOLE  
DISPOSITIVE  
POWER**

**PERSON**

**WITH**

4,978,227  
**SHARED  
DISPOSITIVE  
8 POWER**

0  
**9 AGGREGATE AMOUNT  
BENEFICIALLY  
OWNED BY EACH  
REPORTING PERSON**

4,978,227  
**10 CHECK BOX IF  
THE  
AGGREGATE  
AMOUNT IN           o  
ROW (9)  
EXCLUDES  
CERTAIN  
SHARES  
PERCENT OF CLASS  
REPRESENTED BY  
11 AMOUNT IN ROW (9)**

10.0%<sup>1</sup>  
**12 TYPE OF REPORTING  
PERSON  
IN-OO\*\***

\*\* See Item 4.

<sup>1</sup> The percentage reported in this Schedule 13G/A is based upon 49,559,701 shares of Common Stock outstanding according to the Form 10-Q filed by the Issuer on May 4, 2017.

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Item 1(a). Name of Issuer: Intermolecular, Inc.

Item 1(b). Address of Issuers' s Principal Executive Offices: 3011 N. First Street  
San Jose, California 95134

Item 2(a). Name of Person Filing: Lloyd I. Miller, III

Item 2(b). Address of Principal Business Office or, if None, Residence: 3300 South Dixie Highway  
Suite 1-365  
West Palm Beach, Florida 33405

Item 2(c). Citizenship: U.S.A.

Item 2(d). Title of Class of Securities: Common Stock

Item 2(e). CUSIP Number: 45882D109

Item 3. IF THIS STATEMENT IS FILED PURSUANT TO RULE 13d-1(b) OR 13d-2(b) or (c), CHECK WHETHER THE PERSON FILING IS A:

Not Applicable, this statement is filed pursuant to 13d-1(c)

Item 4. OWNERSHIP: Mr. Miller has sole voting and dispositive power with respect to 4,978,227 of the reported securities as (i) manager of a limited liability company that is the adviser to certain trusts, (ii) manager of a limited liability company that is the general partner of certain limited partnerships, (iii) manager of a limited liability company, and (iv) an individual.

(a) 4,978,227

(b) 10.0%

(c) (i) sole voting power: 4,978,227

(ii) shared voting power: 0

(iii) sole dispositive power: 4,978,227

(iv) shared dispositive power: 0

Item 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS:

Not Applicable

Item 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:

Other than shares held directly by Lloyd I. Miller, III, persons other than Lloyd I. Miller, III have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the reported securities.

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Item IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY  
7. BEING REPORTED ON BY THE PARENT HOLDING COMPANY:

Not Applicable

Item IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP:  
8.

Not Applicable

Item NOTICE OF DISSOLUTION OF GROUP:  
9.

Not Applicable

Item CERTIFICATION:  
10.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: May 15, 2017 /s/ Lloyd I. Miller, III  
Lloyd I. Miller, III