#### INTERMOLECULAR INC

Form S-8

February 27, 2015

Registration No. 333-

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

FORM S-8

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

#### INTERMOLECULAR, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation or organization) 20-1616267 (I.R.S. Employer Identification Number)

3011 N. First Street San Jose, CA 95134 (Address of Principal Executive Offices) (Zip Code)

Intermolecular, Inc. 2011 Incentive Award Plan (Full Title of the Plan)

Scot A. Griffin
Senior Vice President, Business Operations and Corporate Secretary
Intermolecular, Inc.
3011 N. First Street
San Jose, CA 95134
(Name and address of agent for service)

(408) 582-5700

(Telephone number, including area code, of agent for service)

Copies to:

Patrick A. Pohlen Latham & Watkins LLP 140 Scott Drive Menlo Park, California 94025

Telephone: (650) 328-4600 Facsimile: (650) 463-2600

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.:

Large accelerated filer o Non-accelerated Filer Accelerated filer ý Smaller reporting company o

### CALCULATION OF REGISTRATION FEE

		Proposed Maximum	Proposed Maximum	
Title of Securities	Amount to be	Offering	Aggregate	Amount of
to be Registered	Registered(1)	Price Per Share	Offering Price	Registration Fee (4)
Common Stock, par value \$0.001 per share	2,142,636 (2)	\$ 1.645 (3 )	\$3,524,636.22	\$409.56

- (1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this registration statement shall also cover any additional shares of the Registrant's common stock that become issuable under the Registrant's 2011 Incentive Award Plan (the "2011 Plan") by reason of any stock dividend, stock split, recapitalization or similar transaction effected without the Registrant's receipt of consideration which would increase the number of outstanding shares of common stock.
- (2) Represents 2,142,636 additional shares of the Registrant's common stock reserved for future issuance under the 2011 Plan.
- This estimate is made pursuant to Rules 457(c) and 457(h) of the Securities Act for purposes of calculating the registration fee. The Proposed Maximum Offering Price Per Share is \$1.645, which is the average of the high and low prices for the Registrant's common stock as reported on the NASDAQ Global Select Market on February 23, 2015.
- (4) The registration fee for the 2015 S-8 Filing is \$409.56.

Proposed sale to take place as soon after the effective date of the registration statement as awards under the plan are exercised and/or vest. REGISTRATION OF ADDITIONAL SECURITIES

- (i) On November 23, 2011, the Registrant filed with the Securities and Exchange Commission a Registration Statement on Form S-8 (File No. 333-178154) relating to shares of the Registrant's common stock, par value \$0.001 per share, to be offered and sold under the 2011 Plan.
- (ii) The number of shares of the Registrant's common stock reserved for issuance or transfer pursuant to awards issued under the 2011 Plan automatically increased on January 1, 2012 pursuant to the terms of the 2011 Plan. The Registrant registered the additional 1,899,862 shares issuable under the 2011 Plan on March 15, 2012.

- (iii) The number of shares of the Registrant's common stock reserved for issuance or transfer pursuant to awards issued under the 2011 Plan automatically increased on January 1, 2013 pursuant to the terms of the 2011 Plan. The Registrant registered the additional 1,982,113 shares issuable under the 2011 Plan on March 4, 2013.
- (iv) The number of shares of the Registrant's common stock reserved for issuance or transfer pursuant to awards issued under the 2011 Plan automatically increased on January 1, 2014 pursuant to the terms of the 2011 Plan, none of which have been issued as of the date of this Registration Statement. The Registrant registered the additional 2,091,886 shares issuable under the 2011 Plan on March 10, 2014.

(v) The number of shares of the Registrant's common stock reserved for issuance or transfer pursuant to awards issued under the 2011 Plan automatically increased on January 1, 2015 pursuant to the terms of the 2011 Plan, none of which have been issued as of the date of this Registration Statement. The Registrant is hereby registering the additional 2,142,636 shares issuable under the 2011 Plan.

Pursuant to General Instruction E of Form S-8, the contents of such prior Registration Statement are incorporated by reference in this Registration Statement, with such modifications as set forth below.

#### Item 8. Exhibits.

	Description of Exhibits
4.1	Amended and Restated Certificate of Incorporation of Intermolecular, Inc.(1)
4.2	Amended and Restated Bylaws of Intermolecular, Inc.(2)
4.3	Specimen Common Stock Certificate(3)
4.4	Intermolecular, Inc. 2011 Incentive Award Plan(4)
4.5	Form of Stock Option Grant Notice and Stock Option Agreement under the 2011 Incentive Award Plan(5)
4.6	Form of Restricted Stock Award Grant Notice and Restricted Stock Award Agreement under the 2011 Incentive Award Plan(6)
4.7	Form of Restricted Stock Unit Award Grant Notice and Restricted Stock Unit Award Agreement under the 2011 Incentive Award Plan(7)
5.1	Opinion of Latham & Watkins LLP
23.1	Consent of Latham & Watkins LLP (included in Exhibit 5.1)
23.2	Consent of KPMG LLP, Independent Registered Public Accounting Firm
24.1	Power of Attorney (included in the signature page to this registration statement)

- (1) Previously filed as Exhibit 3.1 to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2011, filed on March 16, 2012, and incorporated by reference herein.
- (2) Previously filed as Exhibit 3.2 to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2011, filed on March 16, 2012, and incorporated by reference herein.
- (3) Previously filed as Exhibit 4.1 to the Registrant's Registration Statement on Form S-1, as amended, originally filed with the SEC on November 7, 2011 (File No. 333-175877), and incorporated by reference herein.

- (4) Previously filed as Exhibit 10.14a to the Registrant's Registration Statement on Form S-1, as amended, originally filed with the SEC on November 7, 2011 (File No. 333-175877), and incorporated by reference herein.
- (5) Previously filed as Exhibit 10.14b to the Registrant's Registration Statement on Form S-1, as amended, originally filed with the SEC on November 7, 2011 (File No. 333-175877), and incorporated by reference herein.

- (6) Previously filed as Exhibit 10.14c to the Registrant's Registration Statement on Form S-1, as amended, originally filed with the SEC on November 7, 2011 (File No. 333-175877), and incorporated by reference herein.
- (7) Previously filed as Exhibit 10.14d to the Registrant's Registration Statement on Form S-1, as amended, originally filed with the SEC on November 7, 2011 (File No. 333-175877), and incorporated by reference herein.

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of San Jose, State of California, on this 27<sup>th</sup> day of February, 2015.

#### INTERMOLECULAR, INC.

By: /s/ BRUCE M. MCWILLIAMS BRUCE M. MCWILLIAMS

Chairman of the Board of Directors, President and

Chief Executive Officer

#### POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below does hereby constitute and appoint Bruce M. McWilliams and C. Richard Neely, Jr., and each of them, with full power of substitution and full power to act without the other, his or her true and lawful attorney-in-fact and agent to act for him or her in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement, and to file this registration statement, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in order to effectuate the same as fully, to all intents and purposes, as they or he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or any of them, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the date indicated.

Signature	Title	Date
/s/ BRUCE M. MCWILLIAMS	Chairman of the Board of Directors, President and Chief Executive Officer	February 27, 2015
BRUCE M. MCWILLIAMS	(Principal Executive Officer)	
/s/ C. RICHARD NEELY, JR. C. RICHARD NEELY, JR.	Chief Financial Officer (Principal Financial and Accounting Officer)	February 27, 2015
/s/ THOMAS R. BARUCH THOMAS R. BARUCH	Director	February 27, 2015
/s/ MARVIN D. BURKETT MARVIN D. BURKETT	Director	February 27, 2015
/s/ IRWIN FEDERMAN IRWIN FEDERMAN	Director	February 27, 2015
/s/ GEORGE M. SCALISE GEORGE M. SCALISE	Director	February 27, 2015
/s/ JOHN L. WALECKA JOHN L. WALECKA	Director	February 27, 2015

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