INTERMOLECULAR INC Form SC 13G/A February 14, 2014

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 2)*

INTERMOLECULAR, INC. (Name of Issuer)

COMMON STOCK, \$0.001 PAR VALUE PER SHARE (Title of Class of Securities)

45882D109 (CUSIP Number)

December 31, 2013 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule 13G is file	ed:
] Rule 13d-1(b) X] Rule 13d-1(c)] Rule 13d-1(d)	

*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 the disclosures provided in a prior cover page.

The information required in 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).

CUSIP No. 45882D109 1 Names of Reporting Persons Park West Asset Management LLC 2 Check the Appropriate Box if a Member of a Group (a) o (See Instructions) (b) o 3 SEC USE ONLY Citizenship or Place of Organization 4 Delaware Number of Shares 5 Sole Voting Power 4,117,736* Beneficially Owned by Each Reporting Person Shared Voting Power 0 6 With: 7 Sole Dispositive 4,117,736* Power 8 **Shared Dispositive** 0 Power 9 Aggregate Amount Beneficially Owned by Each Reporting Person 4,117,736* 10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions): 11 Percent of Class Represented by Amount in Row (9) 8.9%* 12 Type of Reporting Person (See Instructions)

IA

* Beneficial ownership percentage is based upon 46,105,067 shares of common stock, \$0.001 par value per share ("Common Stock"), of Intermolecular, Inc., a Delaware corporation (the "Company"), issued and outstanding as of November 4, 2013, based on information reported by the Company in its Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2013, filed with the Securities and Exchange Commission on December 13, 2013. Park West Asset Management LLC ("PWAM") is the investment manager to Park West Investors Master Fund, Limited, a Cayman Islands exempted company ("PWIMF"), and Park West Partners International, Limited, a Cayman Islands exempted company ("PWPI" and, together with PWIMF, the "PW Funds"). As of December 31, 2013, PWIMF held 3,395,608 shares of Common Stock and PWPI held 722,128 shares of Common Stock. PWAM, as the investment manager to the PW Funds, and Peter S. Park, as the sole member and manager of PWAM ("Mr. Park"), may be deemed to beneficially own the 4,117,736 shares of Common Stock held in the aggregate by the PW Funds. As a result of the foregoing, for purposes of Reg. Section 240.13d-3, PWAM and Mr. Park are deemed to beneficially own 4,117,736 shares of Common Stock, or 8.9% of the shares of Common Stock deemed to be issued and outstanding as of December 31, 2013.

CUSIP No. 45882D109 1 Names of Reporting Persons Peter S. Park 2 Check the Appropriate Box if a Member of a Group (See Instructions) (b) o 3 SEC USE ONLY Citizenship or Place of Organization 4 United States of America Number of Shares 5 Sole Voting Power 4,117,736* Beneficially Owned by Each Reporting Person Shared Voting Power 0 6 With: 7 Sole Dispositive 4,117,736* Power 8 **Shared Dispositive** 0 Power 9 Aggregate Amount Beneficially Owned by Each Reporting Person 4,117,736* 10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions): 11 Percent of Class Represented by Amount in Row (9) 8.9%* 12 Type of Reporting Person (See Instructions)

IN

*Beneficial ownership percentage is based upon 46,105,067 shares of common stock, \$0.001 par value per share ("Common Stock"), of Intermolecular, Inc., a Delaware corporation (the "Company"), issued and outstanding as of November 4, 2013, based on information reported by the Company in its Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2013, filed with the Securities and Exchange Commission on December 13, 2013. Park West Asset Management LLC ("PWAM") is the investment manager to Park West Investors Master Fund, Limited, a Cayman Islands exempted company ("PWIMF"), and Park West Partners International, Limited, a Cayman Islands exempted company ("PWPI" and, together with PWIMF, the "PW Funds"). As of December 31, 2013, PWIMF held 3,395,608 shares of Common Stock and PWPI held 722,128 shares of Common Stock. PWAM, as the investment manager to the PW Funds, and Peter S. Park, as the sole member and manager of PWAM ("Mr. Park"), may be deemed to beneficially own the 4,117,736 shares of Common Stock held in the aggregate by the PW Funds. As a result of the foregoing, for purposes of Reg. Section 240.13d-3, PWAM and Mr. Park are deemed to beneficially own 4,117,736 shares of Common Stock, or 8.9% of the shares of Common Stock deemed to be issued and outstanding as of December 31, 2013.

CUSIP No. 45882D109

1	1 Names of Reporting Persons					
Park West Investors Master Fund, Ltd.						
2	Check the Appropriate Box if a Member of a Group (See Instructions)			(a) o (b) o		
3	SEC USE ONLY					
4	Citizenship or Place of Organization					
Cayman Islands						
	f Shares ly Owned by orting Person	5	Sole Voting Power	3,395,608*		
With:		6	Shared Voting Power	nared Voting Power 0		
		7	Sole Dispositive Power	3,395,608*		
		8	Shared Dispositive Power	0		
9	9 Aggregate Amount Beneficially Owned by Each Reporting Person					
3,395,608*						
10	10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions): o					
11	Percent of Class Represented by Amount in Row (9)					
	7.4%*					
12	Type of Reporting Person (See Instructions)					
	СО					

* Beneficial ownership percentage is based upon 46,105,067 shares of common stock, \$0.001 par value per share ("Common Stock"), of Intermolecular, Inc., a Delaware corporation (the "Company"), issued and outstanding as of November 4, 2013, based on information reported by the Company in its Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2013, filed with the Securities and Exchange Commission on December 13, 2013. As of December 31, 2013, PWIMF held 3,395,608 shares of Common Stock, which constitute 7.4% of the shares of Common Stock deemed to be issued and outstanding as of that date.

Item 1(a). Name of Issuer. Intermolecular, Inc. (the "Company")

Item 1(b). Address of Issuer's Principal Executive Offices.

3011 N. First Street San Jose, California 95134

Item 2(a). Name of Person Filing.

This report on Schedule 13G (this "Schedule 13G"), is being jointly filed by (i) Park West Asset Management LLC ("PWAM"), a Delaware limited liability company and the investment manager to (a) Park West Investors Master Fund, Limited ("PWIMF"), a Cayman Islands exempted company that is the holder of 3,395,608 shares of common stock, par value \$0.001 per share ("Common Stock"), of the Company reported on this Schedule 13G, and (b) Park West Partners International, Limited ("PWPI" and, together with PWIMF, the "PW Funds"), a Cayman Islands exempted company that is the holder of 722,128 shares of Common Stock reported on this Schedule 13G; (ii) Peter S. Park, as the sole member and manager of PWAM ("Mr. Park"); and (iii) PWIMF (together with Mr. Park and PWAM, the "Reporting Persons").

The 4,117,736 shares of Common Stock held in the aggregate by the PW Funds, which constitute 8.9% of the shares of Common Stock deemed to be outstanding as of December 31, 2013, may be deemed to be beneficially owned (x) indirectly by PWAM, as the investment adviser to PWIMF and PWPI, and (y) indirectly by Mr. Park, as the sole member and manager of PWAM.

As of December 31, 2013, PWIMF held 3,395,608 shares of Common Stock, which constitute 7.4% of the shares of Common Stock deemed to be issued and outstanding as of that date.

Item 2(b). Address of Principal Business Office or if None, Residence.

The address for the Reporting Person is: 900 Larkspur Landing Circle, Suite 165, Larkspur, California 94939.

Item 2(c). Citizenship.

PWAM is organized under the laws of the State of Delaware. Mr. Park is a citizen of the United States.

Item 2(d). Title of Class of Securities.

Common Stock, \$0.001 par value per share.

Item 2(e). CUSIP No.

45882D109

Item 3.	If This Statement Is Filed Pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the Person
Filing is a:	

Not Applicable

Item 4. Ownership.

As reported in the cover pages to this report, the ownership information with respect to each of PWAM and Mr. Park is as follows:

(a) Amount Beneficially Owned: 4,117,736*

(b) Percent of Class: 8.9%*

(c) Number of Shares as to which the person has:

(i) sole power to vote or to direct the vote 4,117,736*

(ii) shared power to vote or to direct the vote0

(iii) sole power to dispose or to direct the 4,117,736* disposition of

(iv) shared power to dispose or to direct the 0 disposition of

As reported in the cover pages to this report, the ownership information with respect to PWIMF is as follows:

(a) Amount Beneficially Owned: 3,395,608*

(b) Percent of Class: 7.4%*

(c) Number of Shares as to which the person has:

(i) sole power to vote or to direct the vote 3,395,608*

(ii) shared power to vote or to direct the vote 0

(iii) sole power to dispose or to direct the 3,395,608* disposition of

(iv) shared power to dispose or to direct the 0 disposition of

^{*} This Schedule 13G is being jointly filed by (i) PWAM, a Delaware limited liability company and the investment manager to (a) PWIMF, a Cayman Islands exempted company that is the holder of 3,395,608 shares of Common Stock of the Company reported on this Schedule 13G, and (b) PWPI, a Cayman Islands exempted company that is the holder of 722,128 shares of Common Stock reported on this Schedule 13G; (ii) Peter S. Park, as the sole member and

manager of PWAM ("Mr. Park"); and (iii) PWIMF.

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The 4,117,736 shares of Common Stock held in the aggregate by the PW Funds, which constitute 8.9% of the shares of Common Stock deemed to be outstanding as of December 31, 2013, may be deemed to be beneficially owned (x) indirectly by PWAM, as the investment adviser to PWIMF and PWPI, and (y) indirectly by Mr. Park, as the sole member and manager of PWAM.

As of December 31, 2013, PWIMF held 3,395,608 shares of Common Stock, which constitute 7.4% of the shares of Common Stock deemed to be issued and outstanding as of that date.

The foregoing beneficial ownership percentage is based upon 46,105,067 shares of Common Stock of the Company issued and outstanding as of November 4, 2013, based on information reported by the Company in its Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2013, filed with the Securities and Exchange Commission on December 13, 2013.

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: o

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not Applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company

or Control Person.

Not Applicable.

Item 8. Identification and Classification of Members of the Group.

Not Applicable.

Item 9. Notice of Dissolution of Group.

Not Applicable.

Item 10. Certification.

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.

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.

February 14, 2014

PARK WEST ASSET MANAGEMENT LLC

By: /s/ James J. Watson Name: James J. Watson Title: Chief Financial Officer

PARK WEST INVESTORS MASTER FUND, LIMITED

By: Park West Asset Management LLC, its Investment Management

By: /s/ James J. Watson Name: James J. Watson Title: Chief Financial Officer

/s/ Peter S. Park Peter S. Park

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)

Exhibit A

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the persons named below agree to the joint filing on behalf of them of a statement on Schedule 13G (including amendments thereto) with respect to the common stock, par value \$0.001 per share, of Intermolecular, Inc., and further agree that this Joint Filing Agreement be included as Exhibit A to such Schedule 13G. In evidence thereof, the undersigned hereby execute this agreement this 14th day of February, 2014.

PARK WEST ASSET MANAGEMENT LLC

By:/s/ James J. Watson Name: James J. Watson Title: Chief Financial Officer

PARK WEST INVESTORS MASTER FUND, LIMITED

By: Park West Asset Management LLC, its Investment Management

By:/s/ James J. Watson Name: James J. Watson Title: Chief Financial Officer

/s/ Peter S. Park Peter S. Park