FEDERMAN IRWIN

Form 4 June 15, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

Estimated average burden hours per

OMB APPROVAL

response...

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

obligations

may continue.

See Instruction

Check this box

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * FEDERMAN IRWIN

(First)

(Street)

(State)

2. Issuer Name and Ticker or Trading Symbol

INTERMOLECULAR INC [IMI]

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(City)

share

(Middle)

(Zip)

3. Date of Earliest Transaction

(Month/Day/Year)

06/14/2012

(Check all applicable)

_X__ Director Officer (give title

10% Owner _ Other (specify

(1)

below)

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

2735 SAND HILL ROAD

4. If Amendment, Date Original

Filed(Month/Day/Year)

MENLO PARK, CA 94025

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securi	ties		5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	onAcquired	(A) o	r	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	Disposed of (D)		Beneficially	(D) or	Beneficial	
		(Month/Day/Year)	(Instr. 8)	(Instr. 3,	4 and	5)	Owned	Indirect (I)	Ownership
							Following	(Instr. 4)	(Instr. 4)
					(4)		Reported		
					(A)		Transaction(s)		
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common									Directly
Stock, \$0.001 per	06/14/2012		S	1,209	D	\$ 6.7	4,280,779	I	owned by USVP IX

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Titl	le and	8. Price of	9. Nu
D	erivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration D	ate	Amou	ınt of	Derivative	Deriv
S	ecurity	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(I	nstr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Secur	ities	(Instr. 5)	Bene
		Derivative				Securities	3		(Instr.	3 and 4)		Owne
		Security				Acquired						Follo
		•				(A) or						Repo
						Disposed						Trans
						of (D)						(Instr
						(Instr. 3,						`
						4, and 5)						
						, ,						
										Amount		
							Date	Expiration		or		
							Exercisable	-	Title Number of	Number		
										of		
					Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
FEDERMAN IRWIN							
2735 SAND HILL ROAD	X	X					
MENLO PARK, CA 94025							

Signatures

Michael P. Maher - Attorney in Fact for each reporting person 06/14/2012

**Signature of Reporting Person Date

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).

Presidio Management Group IX, LLC ("PMG IX") is the general partner of US Venture Partners IX, L.P. ("USVP IX") and Irwin Federman, Winston S. Fu, Steven M. Krausz, David E. Liddle, Paul A Matteucci, Jonathan D. Root, Christopher J. Rust, Casey M.

(1) Tansey, and Philip M. Young, the managing members of PMG IX, may be deemed to share voting and dispositive power over the shares held by USVP IX. Such persons and entities disclaim beneficial ownership of shares held by USVP IX, except to the extent of any proportionate pecuniary interest therein.

Remarks:

Remark:

This report is one (1) of two (2) reports each on a separate Form 4; however, these forms are related to the same transaction be 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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