

LIDDLE DAVID E  
Form 4  
May 15, 2012

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Presidio Management Group IX,  
L.L.C.

(Last) (First) (Middle)

2735 SAND HILL ROAD

(Street)

MENLO PARK, CA 94025

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
INTERMOLECULAR INC [IMI]

3. Date of Earliest Transaction  
(Month/Day/Year)  
05/15/2012

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_ Director \_\_\_X\_\_\_ 10% Owner  
\_\_\_ Officer (give title below) \_\_\_ Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)  
\_\_\_ Form filed by One Reporting Person  
\_X\_ Form filed by More than One Reporting Person

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock, \$0.001 per share	05/15/2012		J <sup>(1)</sup>	537,600 D	4,839,119	I	Directly owned by USVP IX <sup>(2)</sup>

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

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SEC 1474 (9-02)

**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 Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Presidio Management Group IX, L.L.C. 2735 SAND HILL ROAD MENLO PARK, CA 94025		X		
U S Venture Partners IX L P 2735 SAND HILL ROAD MENLO PARK, CA 94025		X		
FU WINSTON S 2735 SAND HILL ROAD MENLO PARK, CA 94025		X		
KRAUSZ STEVEN M 2735 SAND HILL ROAD MENLO PARK, CA 94025		X		
LIDDLE DAVID E 2735 SAND HILL ROAD MENLO PARK, CA 94025		X		
Matteucci Paul A 2735 SAND HILL ROAD MENLO PARK, CA 94025		X		
ROOT JONATHAN D 2735 SAND HILL ROAD MENLO PARK, CA 94025		X		
Rust Christopher J 2735 SAND HILL ROAD MENLO PARK, CA 94025		X		
Tansey Casey M 2735 SAND HILL ROAD		X		

MENLO PARK, CA 94025

YOUNG PHILIP M  
2735 SAND HILL ROAD  
MENLO PARK, CA 94025

X

## Signatures

Michael P. Maher - Attorney in Fact for each reporting person

05/15/2012

\_\_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).
- (1) Distribution in kind from partnership without consideration to its general and limited partners.

This report is one of two reports each on a separate Form 4; however, these forms are related to the same transaction being filed by the reporting persons. 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. 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.

(2) 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.