

Common Stock, \$0.001 par value	45,882	I	By Children's Trust ⁽⁵⁾
Common Stock, \$0.001 par value	35,487	I	By Wife
Common Stock, \$0.001 par value	189,513	I	By GRAT ⁽⁶⁾
Common Stock, \$0.001 par value	189,513	I	By Wife's GRAT ⁽⁷⁾

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474
(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

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. Number of Derivative Securities Beneficially Owned Following Transaction (Instr. 3)
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Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Lazovsky David E INTERMOLECULAR, INC.	X		President & CEO	

3011 NORTH FIRST STREET
SAN JOSE, CA 95134-2004

Signatures

/s/ David E.
Lazovsky

04/08/2013

 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) The sale reported was effected pursuant to a Rule 10b5-1 Sales Plan adopted by Mr. Lazovsky on May 14, 2012.
The transaction was executed in multiple trades in prices ranging from \$9.17 to \$9.58, inclusive. The price reported in Column 4 above
- (2) reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.
The transaction was executed in multiple trades in prices ranging from \$9.02 to \$9.33, inclusive. The price reported in Column 4 above
- (3) reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.
The transaction was executed in multiple trades in prices ranging from \$8.79 to \$9.19, inclusive. The price reported in Column 4 above
- (4) reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.
- (5) These shares are held by The Lazovsky 2010 Irrevocable Children's Trust.
- (6) These shares are held by The David E. Lazovsky 2010 Annuity Trust.
- (7) These shares are held by The Juel D. Lazovsky 2010 Annuity Trust.

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.