Chiang Tony P. Form 4 September 24, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

**OMB APPROVAL OMB** 

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obligations

may continue.

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

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person \* 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Chiang Tony P. Issuer Symbol INTERMOLECULAR INC [IMI] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction

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

(Month/Day/Year) 09/20/2012

below) Chief Technology Officer

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

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

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting Person

SAN JOSE, CA 95134

3011 NORTH FIRST STREET

(Street)

| (City)                                   | (State)                              | (Zip) Tabl  | le I - Non-l                           | Derivative  | Secur | ities Acqui              | red, Disposed of,  | or Beneficiall   | y Owned   |
|--|--------------------------------------|---|--|---|-------|--------------------------|--|--|---|
| 1.Title of<br>Security<br>(Instr. 3)     | 2. Transaction Date (Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3.<br>Transactio<br>Code<br>(Instr. 8) | ransactiomr Disposed of (D) ode (Instr. 3, 4 and 5) |       |                          | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
| Common<br>Stock,<br>\$0.001 par<br>value | 09/20/2012                           |   | Code V  M                              | Amount 4,499  | (D)   | Price                    | 17,699   | D  |   |
| Common<br>Stock,<br>\$0.001 par<br>value | 09/20/2012                           |   | S(1)                                   | 4,499   | D     | \$ 7.2184<br>( <u>3)</u> | 13,200   | D  |   |
| Common<br>Stock,<br>\$0.001 par<br>value | 09/21/2012                           |   | M                                      | 13,114  | A     | \$ 0.1                   | 26,314   | D  |   |

#### Edgar Filing: Chiang Tony P. - Form 4

| Common<br>Stock,<br>\$0.001 par<br>value | 09/21/2012 | S <u>(1)</u> | 13,114 | D | \$<br>7.2224<br>(4) | 13,200 | D |
|--|------------|--------------|--------|---|---------------------|--------|---|
| Common<br>Stock,<br>\$0.001 par<br>value | 09/24/2012 | M            | 10,513 | A | \$ 0.1              | 23,713 | D |
| Common<br>Stock,<br>\$0.001 par<br>value | 09/24/2012 | S(1)         | 10,513 | D | \$<br>7.0664<br>(5) | 13,200 | D |

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)

 $\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$ 

| 1. Title of<br>Derivative<br>Security<br>(Instr. 3) | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 4.<br>Transactic<br>Code<br>(Instr. 8) | 5. Number of conDerivative 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<br>Underlying Securities<br>(Instr. 3 and 4) |                                     |
|---|---|--------------------------------------|---|--|--|--------|--|--------------------|---|-------------------------------------|
|   |   |                                      |   | Code V                                 | (A)  | (D)    | Date<br>Exercisable                                      | Expiration<br>Date | Title   | Amount<br>or<br>Number<br>of Shares |
| Stock<br>Option<br>(Right to<br>Buy)                | \$ 0.1  | 09/20/2012                           |   | M                                      |  | 4,499  | (2)  | 06/14/2015         | Common<br>Stock   | 4,499                               |
| Stock<br>Option<br>(Right to<br>Buy)                | \$ 0.1  | 09/21/2012                           |   | M                                      |  | 13,114 | (2)  | 06/14/2015         | Common<br>Stock   | 13,114                              |
| Stock<br>Option<br>(Right to<br>Buy)                | \$ 0.1  | 09/24/2012                           |   | M                                      |  | 10,513 | (2)  | 06/14/2015         | Common<br>Stock   | 10,513                              |

## **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Chiang Tony P. Chief
3011 NORTH FIRST STREET Technology
SAN JOSE, CA 95134 Officer

## **Signatures**

/s/ Tony P. 09/24/2012 Chiang

\*\*Signature of Reporting Person

# **Explanation of Responses:**

\* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

Date

- \*\* 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 the Reporting Person on May 14, 2012.
  - The option was immediately exercisable in full on June 15, 2005; however, the shares vested pursuant to the following schedule:
- (2) Twenty-five percent (25%) of the shares subject to the original option (125,000 shares) vested on the first anniversary measured from May 9, 2005 ("Vesting Commencement Date") and the remaining shares vested in 36 successive equal monthly installments thereafter on each monthly anniversary date of Vesting Commencement Date.
- The transaction was executed in multiple trades in prices ranging from \$7.16 to \$7.35, inclusive. The price reported in Column 4 above 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 \$7.03 to \$7.18, inclusive. The price reported in Column 4 above 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 \$7.00 to \$7.14, inclusive. The price reported in Column 4 above (5) 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.

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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