Hunter James Craig Form 3 November 17, 2011

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

OMB APPROVAL

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SECURITIES

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

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 *

A Hunter James Craig

(Last)

(First)

(Middle)

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

Statement

(Month/Day/Year)

11/17/2011

INTERMOLECULAR INC [IMI]

4. Relationship of Reporting Person(s) to Issuer

5. If Amendment, Date Original

Filed(Month/Day/Year)

INTERMOLECULAR. INC., Â 3011 NORTH FIRST STREET

(Street)

10% Owner _X__ Officer Other (give title below) (specify below)

Director

(Check all applicable)

Senior VP&GM Clean Energy Grp

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, CAÂ 95134-2004

(State)

(City) 1. Title of Security

(Instr. 4)

(Zip)

2. Amount of Securities

Beneficially Owned (Instr. 4)

3. Ownership

Table I - Non-Derivative Securities Beneficially Owned

4. Nature of Indirect Beneficial

Ownership Form: (Instr. 5)

Direct (D) or Indirect (I) (Instr. 5)

Reminder: Report on a separate line for each class of securities beneficially

owned directly or indirectly.

SEC 1473 (7-02)

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

1. Title of Derivative Security

(Instr. 4)

2. Date Exercisable and **Expiration Date**

(Month/Day/Year)

3. Title and Amount of Securities Underlying **Derivative Security**

4. Conversion or Exercise

Price of

5. 6. Nature of Indirect Ownership Beneficial Ownership Form of (Instr. 5)

(Instr. 4)

Expiration Date Exercisable Date

Title

Amount or Number of

Security: Derivative Security Direct (D)

Derivative

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				Shares		or Indirect (I) (Instr. 5)	
Stock Option (right to buy)	(1)	02/24/2019	Common Stock	350,000	\$ 2	D	Â
Stock Option (right to buy)	(2)	02/03/2020	Common Stock	65,000	\$ 2.66	D	Â
Stock Option (right to buy)	(3)	03/30/2021	Common Stock	25,000	\$ 6.2	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Hunter James Craig INTERMOLECULAR, INC. 3011 NORTH FIRST STREET SAN JOSE, Â CAÂ 95134-2004	Â	Â	Senior VP&GM Clean Energy Grp	Â		

Signatures

/s/ James Craig
Hunter

**Signature of Reporting Person

11/17/2011

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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).
- The shares vest pursuant to the following schedule: Twenty-Five Percent (25%) of the shares subject to the option vest on the first anniversary measured from January 30, 2009 (the "Vesting Commencement Date") and the remaining shares subject to the option vest in 36 successive, equal monthly installments thereafter on each monthly anniversary of the Vesting Commencement Date, subject to the Reporting Person's continued employment or service relationship with the Issuer on each such vesting date.
- The shares vest pursuant to the following schedule: Twenty-Five Percent (25%) of the shares subject to the option vest on the first anniversary measured from February 1, 2010 (the "Vesting Commencement Date") and the remaining shares subject to the option vest in 36 successive, equal monthly installments thereafter on each monthly anniversary of the Vesting Commencement Date, subject to the Reporting Person's continued employment or service relationship with the Issuer on each such vesting date.
- The shares vest pursuant to the following schedule: Twenty-Five Percent (25%) of the shares subject to the option vest on the first anniversary measured from February 2, 2011 (the "Vesting Commencement Date") and the remaining shares subject to the option vest in 36 successive, equal monthly installments thereafter on each monthly anniversary of the Vesting Commencement Date, subject to the Reporting Person's continued employment or service relationship with the Issuer on each such vesting date.

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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