

SYMYX TECHNOLOGIES INC
 Form 3
 November 17, 2011

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 *			2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â SYMYX TECHNOLOGIES INC			(Month/Day/Year)	INTERMOLECULAR INC [IMI]	
(Last)	(First)	(Middle)	11/17/2011		
C/O ACCELRYX, INC., Â 10188 TELESIS COURT, SUITE 100			4. Relationship of Reporting Person(s) to Issuer		5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)		
SAN DIEGO, Â CA Â 92121			<input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below)		6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
(City)	(State)	(Zip)			

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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.

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 (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable Expiration Date	Title Amount or Number of			

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				Shares		or Indirect (I) (Instr. 5)	
Series C Convertible Preferred Stock ⁽¹⁾	Â ⁽²⁾	Â ⁽³⁾	Common Stock	3,598,375	\$ 0	D	Â
Series D Convertible Preferred Stock ⁽¹⁾	Â ⁽²⁾	Â ⁽³⁾	Common Stock	270,724	\$ 0	D	Â
Series E Convertible Preferred Stock ⁽¹⁾	Â ⁽²⁾	Â ⁽³⁾	Common Stock	99,105	\$ 0	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SYMYX TECHNOLOGIES INC C/O ACCELRYX, INC. 10188 TELESIS COURT, SUITE 100 SAN DIEGO, CA 92121	Â	Â X	Â	Â

Signatures

/s/ David R. Mersten 11/17/2011

^{**}Signature of Reporting Person 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).
- (1) Each share of Series C, Series D and Series E Convertible Preferred Stock will automatically convert on a 1-for-2 basis into common stock upon the consummation of the Issuer's initial public offering.
- (2) The securities are immediately convertible.
- (3) The expiration date is not relevant to the conversion of these securities.

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.