Lane Robert J Form 3 March 04, 2008

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 *

Lane Robert J

(Last)

(First)

Statement

(Month/Day/Year)

02/27/2008

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

RTI Biologics, Inc. [RTIX]

4. Relationship of Reporting Person(s) to Issuer

5. If Amendment, Date Original

Filed(Month/Day/Year)

(Check all applicable)

Director _X__ Officer

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

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

X Form filed by One Reporting Person

Form filed by More than One

Reporting Person

ALACHUA, Â FLÂ 32615

11621 RESEARCH CIRCLE

(Street)

(City) (State)

1. Title of Security (Instr. 4)

(Zip)

(Middle)

2. Amount of Securities Beneficially Owned

(Instr. 4)

Vice President

Ownership Form:

Table I - Non-Derivative Securities Beneficially Owned

4. Nature of Indirect Beneficial Ownership

(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.

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 1473 (7-02)

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

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

Expiration Exercisable

Amount or Shares

Derivative Security: Security Direct (D)

or Indirect (I) (Instr. 5)

Date Title Number of

1

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Option to Purchase Common Stock, \$.001 par value per share	(1)	08/23/2016	Common Stock, par value \$.001	25,000	\$ 5.17	D	Â
Option to Purchase Common Stock, \$.001 par value per share	(2)	10/23/2016	Common Stock, par value \$.001	5,000	\$ 6.33	D	Â
Option to Purchase Common Stock, \$.001 par value per share	(3)	03/02/2017	Common Stock, par value \$.001	20,000	\$ 7.25	D	Â
Option to Purchase Common Stock, \$.001 par value per share	(4)	01/28/2018	Common Stock, par value \$.001	30,000	\$ 7.45	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships					
1 0	Director	10% Owner	Officer	Other		
Lane Robert J 11621 RESEARCH CIRCLE ALACHUA, FL 32615	Â	Â	Vice President	Â		

Signatures

/s/ Robert J Lane 03/04/2008

**Signature of Date
Reporting Person

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) This option became exercisable as to 5,000 shares on 8/23/2007, and will become exercisable as to 5,000 shares on each of 8/23/2008, 8/23/2009, 8/23/2010 and 8/23/2011.
- (2) This option became exercisable as to 1,000 shares on 4/23/2007, and will become exercisable as to 1,000 shares on each of 4/23/2008, 4/23/2009, 4/23/2010 and 4/23/2011.
- (3) This option became exercisable as to 4,000 shares on 3/2/2008, and will become exercisable as to 4,000 shares on each of 3/2/2009, 3/2/2010, 3/2/2011 and 3/2/2012.
- (4) This option will become exercisable as to 6,000 shares on each of 1/28/2009, 1/28/2010, 1/28/2011, 1/28/2012 and 1/28/2013.

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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