

Koschatzky Karl
 Form 3
 March 17, 2010

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	
Koschatzky Karl		(Month/Day/Year)	RTI Biologics, Inc. [RTIX]	
(Last)	(First)	(Middle)	03/16/2010	
11621 RESEARCH CIRCLE			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
ALACHUA, FL 32615			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner	6. Individual or Joint/Group Filing(Check Applicable Line)
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Form filed by One Reporting Person
			(give title below) (specify below)	<input type="checkbox"/> Form filed by More than One Reporting Person
			President-Int'l Operations	

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)
Common Stock	2,440	D	

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

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				Shares		(I) (Instr. 5)	
Employee Stock Option (right to buy)	Â (1)	12/10/2010	Common Stock	12,200	\$ 3.49	D	Â
Employee Stock Option (right to buy)	Â (1)	12/09/2012	Common Stock	18,300	\$ 2.16	D	Â
Employee Stock Option (right to buy)	Â (1)	04/08/2013	Common Stock	18,300	\$ 2.23	D	Â
Employee Stock Option (right to buy)	Â (1)	11/06/2016	Common Stock	24,400	\$ 4.93	D	Â
Employee Stock Option (right to buy)	Â (1)	06/07/2013	Common Stock	18,300	\$ 2.69	D	Â
Employee Stock Option (right to buy)	Â (1)	03/19/2017	Common Stock	12,200	\$ 7.01	D	Â
Employee Stock Option (right to buy)	Â (1)	11/16/2017	Common Stock	36,600	\$ 9.51	D	Â
Employee Stock Option (right to buy)	Â (2)	02/10/2019	Common Stock	20,000	\$ 2.98	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Koschatzky Karl 11621 RESEARCH CIRCLE ALACHUA, FL 32615	Â	Â	Â President-Int'l Operations	Â

Signatures

/s/ Karl
Koschatzky

03/16/2010

**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) This option is fully vested.

(2) This option is exercisable in five equal installments. The first installment became exercisable on 2/10/10 and the next four installments become exercisable on 2/10/2011, 2/10/2012, 2/10/2013 and 2/10/2014.

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.