

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 * Â Koschatzky Karl (Last) (First) (Middle) 11621 RESEARCH CIRCLE (Street) ALACHUA, Â FL Â 32615 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 03/16/2010	3. Issuer Name and Ticker or Trading Symbol RTI Biologics, Inc. [RTIX]	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) President-Int'l Operations	5. If Amendment, Date Original Filed(Month/Day/Year)	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
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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	Â

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.

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