Rassas Kevin Form 4

November 18, 2009 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16.

Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

Rassas Kevin

(Last) (First) (Middle)

11494 SORRENTO VALLEY **ROAD**

(Street)

SAN DIEGO, CA 92121

2. Issuer Name and Ticker or Trading

Symbol

INOVIO BIOMEDICAL CORP [INO]

3. Date of Earliest Transaction (Month/Day/Year)

11/16/2009

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

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

Sr. VP Business Development

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

(City)	(State) (Z	Cip) Table	I - Non-Do	erivative Sec	curitie	s Acquired	l, Disposed of, or	r Beneficially	Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (A) Transactionor Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			Securities O Beneficially Fe Owned D Following on Reported (I	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Inovio Biomedical Corporation Common Stock	11/16/2009		M	98,120	A	\$ 0.051	215,864	D	
Inovio Biomedical Corporation Common Stock	11/16/2009		M	392,480	A	\$ 0.2038	608,344	D	
	11/16/2009		M	117,744	A		726,088	D	

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Inovio	\$
Biomedical	0.3058
Corporation	
Common	
Stock	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474

(9-02)

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of or Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Ame Underlying Sect (Instr. 3 and 4)
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title
Inovio Biomedical Corporation Common Stock Option	\$ 0.051	11/16/2009		M		98,120	12/16/2003(1)	12/16/2013	Inovio Biomedical Corporation Common Stock
Inovio Biomedical Corporation Common Stock Option	\$ 0.2038	11/16/2009		M		392,480	12/01/2004(1)	12/01/2014	Inovio Biomedical Corporation Common Stock
Inovio Biomedical Corporation Common Stock Option	\$ 0.3058	11/16/2009		M		117,744	12/17/2005(1)	12/17/2015	Inovio Biomedical Corporation Common Stock

Reporting Owners

Reporting Owner Name / Address	Keiationsnips					
	Director	10% Owner	Officer	Other		

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Rassas Kevin 11494 SORRENTO VALLEY ROAD SAN DIEGO, CA 92121

Sr. VP Business Development

Signatures

/s/ Kevin Rassas 11/17/2009

**Signature of Date
Reporting Person

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(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) Options are fully vested

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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