HEPPELL JAMES L

Check this box

if no longer

subject to

Section 16.

Form 4 or

Form 4 June 09, 2006

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

(First)

HEPPELL JAMES L

2. Issuer Name and Ticker or Trading

Symbol

INOVIO BIOMEDICAL CORP

[INO]

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

1280 - 885 WEST GEORGIA 06/07/2006

(Middle)

(Zip)

STREET

(City)

(Instr. 3)

(Last)

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year)

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

6. Individual or Joint/Group Filing(Check

5. Relationship of Reporting Person(s) to

(Check all applicable)

10% Owner

Other (specify

Issuer

below)

X_ Director

Applicable Line)

Officer (give title

VANCOUVER, A1 V6C 3E8

(State)

1. Title of 2. Transaction Date 2A. Deemed Security

(Month/Day/Year) Execution Date, if (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I) Ownership (Instr. 4) (Instr. 4)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Reported Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

(A)

or

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

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

1. Title of Derivative Conversion

3. Transaction Date 3A. Deemed

(Month/Day/Year) Execution Date, if

5. Number of **TransactionDerivative**

6. Date Exercisable and **Expiration Date**

Title and Amor Underlying Secur

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr. 8)	Securities (Month/Day/Ye Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		·)	(Instr. 3 and 4)	
				Code '	V	(A)	(D)	Date Exercisable	Expiration Date	Title
Inovio Biomedical Corporation Common Stock Option	\$ 2.23	06/07/2006		A		25,000		06/07/2006 <u>(1)</u>	06/07/2016	Inovio Biomedical Corporation Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships						
	ъ.		1007.0	0.00	0.1		

Director 10% Owner Officer Other HEPPELL JAMES L

1280 - 885 WEST GEORGIA STREET X VANCOUVER, A1 V6C 3E8

Signatures

James L. 06/09/2006 Heppell

**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) The vesting schedule for the 25,000 option shares is as follows: 6,250 option shares will vest on June 7, 2006; 6,250 option shares will vest on September 7, 2006; 6,250 option shares will vest on December 7, 2006; and 6,250 option shares will vest on March 7, 2007.

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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