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

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(Print or Type Responses)

1. Name and Address of Reporting Person <u>*</u> White Cheryl Jo			2. Date of Event Requiring Statement (Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol INOVIO BIOMEDICAL CORP [INO]				
(Last)	(First)	(Middle)	06/01/2009	4. Relationship of Reporting Person(s) to Issuer			5. If Amendment, Date Original Filed(Month/Day/Year)	
11494 SOR	RENTO VA	LLEY						
ROAD				(Check all applicable)				
(Street) SAN DIEGO, CA 92121				Director 10% Owner Officer Other (give title below) (specify below) Chief Medical Officer		6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Beneficially Owned					
1.Title of Secu (Instr. 4)	urity		2. Amount o Beneficially (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owner (Instr.		
Reminder: Rep owned directly	or indirectly. Persor inform require	ch class of securities benefic pond to the collection of ained in this form are not nd unless the form displ MB control number.	:	EC 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	5. Ownership Form of Derivative	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Derivative Security:		

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						(Instr. 5)	
Inovio Biomedical Corporation Common Stock Option (1) (2)	10/01/2002	10/01/2012	Inovio Biomedical Corporation Common Stock	98,120	\$ 0.03	D	Â
Inovio Biomedical Corporation Common Stock Option (1) (2)	10/01/2002	10/01/2012	Inovio Biomedical Corporation Common Stock	98,120	\$ 1.28	D	Â
Inovio Biomedical Corporation Common Stock Option (1) (2)	12/01/2004	12/01/2014	Inovio Biomedical Corporation Common Stock	98,120	\$ 0.21	D	Â
Inovio Biomedical Corporation Common Stock Option (1) (2)	09/01/2005	09/01/2015	Inovio Biomedical Corporation Common Stock	294,360	\$ 1.28	D	Â
Inovio Biomedical Corporation Common Stock Option (1) (2) (3)	01/18/2007	01/18/2017	Inovio Biomedical Corporation Common Stock	49,060	\$ 1.28	D	Â
Inovio Biomedical Corporation Common Stock Option (1) (2) (4)	09/12/2008	09/12/2018	Inovio Biomedical Corporation Common Stock	29,436	\$ 1.28	D	Â
Inovio Biomedical Corporation Common Stock Option (1) (2) (5)	09/12/2008	09/12/2018	Inovio Biomedical Corporation Common Stock	24,530	\$ 1.28	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	Director 10% Owner Officer		Other			
White Cheryl Jo 11494 SORRENTO VALLEY ROAD SAN DIEGO, CA 92121	Â	Â	Chief Medical Officer	Â			

Signatures

/s/ Cheryl Jo White

06/01/2009

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) Issued upon assumption of outstanding VGX Pharmaceutical Inc. stock options in conjunction with closing of the business combination transaction between VGX Pharmaceuticals and Inovio Biomedical Corporation on June 1, 2009.
- (2) The vesting schedule is based on the original grant.
- (3) The first tranche of 16,353 shares vested on January 18, 2008, the second tranche of 16,353 shares vested on January 18, 2009, and the third tranche of 16,353 shares will vest January 19, 2010.
- (4) The first tranche of 14,718 shares will vest on September 12, 2009 and the second tranche of 14,718 shares will vest on September 12, 2010.
- (5) The first tranche of 8,176 shares will vest on September 12, 2009, the second tranche of 8,176 shares will vest on September 12, 2010, and the third tranche of 8,176 shares will vest on September 12, 2011.

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.