

Roelofs Nicolas H PHD
 Form 4
 June 23, 2011

FORM 4

**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 Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN 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 *
 Roelofs Nicolas H PHD

2. Issuer Name and Ticker or Trading Symbol
 AGILENT TECHNOLOGIES INC
 [A]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 ___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 Senior Vice President

(Last) (First) (Middle)
 5301 STEVENS CREEK BLVD.
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 06/21/2011

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

SANTA CLARA, CA 95051

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

(City) (State) (Zip)

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	06/21/2011		M		26,253	A	\$ 26.99
Common Stock	06/21/2011		S		26,253	D	\$ 50
Common Stock	06/21/2011		M ⁽¹⁾		2,400	A	\$ 19
Common Stock	06/21/2011		S ⁽¹⁾		2,400	D	\$ 48.73

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

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- (2) The option is exercisable in four equal installments beginning on the first anniversary of the date of the grant. The first vesting date is stated.

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