

GILBERT WALTER PHD  
Form 4  
August 21, 2012

**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 \*  
GILBERT WALTER PHD

2. Issuer Name and Ticker or Trading Symbol  
MYRIAD GENETICS INC [MYGN]

5. Relationship of Reporting Person(s) to Issuer  
(Check all applicable)

(Last) (First) (Middle)  
320 WAKARA WAY  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
08/20/2012

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

SALT LAKE CITY, UT 84108  
(City) (State) (Zip)

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

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

**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                    | 08/20/2012                           |  | M                              |   | 10,000 A \$ 7.6           | 10,000  | D  |   |
| Common Stock                    | 08/20/2012                           |  | S                              |   | 10,000 D \$ 25.9424       | 0   | D  |   |
| Common Stock                    | 08/20/2012                           |  | M                              |   | 20,000 A \$ 10.6          | 20,000  | D  |   |
| Common Stock                    | 08/20/2012                           |  | S                              |   | 20,000 D \$ 25.9424       | 0   | D  |   |
| Common Stock                    | 08/20/2012                           |  | M                              |   | 12,802 A \$ 16.46         | 12,802  | D  |   |
| Common Stock                    | 08/20/2012                           |  | S                              |   | 12,802 D                  | 0   | D  |   |

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|              |            |  |   |        |    |            |          |
|--------------|------------|--|---|--------|----|------------|----------|
| Common Stock |            |  |   |        | \$ | 25.9424    |          |
| Common Stock | 08/21/2012 |  | M | 17,198 | A  | \$ 16.46   | 17,198 D |
| Common Stock | 08/21/2012 |  | S | 17,198 | D  | \$ 26.0972 | 0 D      |

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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(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 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 Amount of Underlying Security (Instr. 3 and 4) | Amount or Number of Shares |        |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|--------|
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable   | Expiration Date   | Title                      |        |
| Non-Qualified Stock Option (right to buy)  | \$ 7.6   | 08/20/2012                           |  | M                              | 10,000  | <u>(1)</u>   | 01/06/2016  | Common Stock               | 10,000 |
| Non-Qualified Stock Option (right to buy)  | \$ 10.6  | 08/20/2012                           |  | M                              | 20,000  | <u>(1)</u>   | 11/16/2016  | Common Stock               | 20,000 |
| Non-Qualified Stock Option (right to buy)  | \$ 16.46   | 08/20/2012                           |  | M                              | 12,802  | <u>(1)</u>   | 11/15/2017  | Common Stock               | 12,802 |
| Non-Qualified Stock Option (right to buy)  | \$ 16.46   | 08/21/2012                           |  | M                              | 17,198  | <u>(1)</u>   | 11/15/2017  | Common Stock               | 17,198 |

## Reporting Owners

| Reporting Owner Name / Address       | Relationships |           |         |       |
|--------------------------------------|---------------|-----------|---------|-------|
|                                      | Director      | 10% Owner | Officer | Other |
| GILBERT WALTER PHD<br>320 WAKARA WAY | X             |           |         |       |

SALT LAKE CITY, UT 84108

## Signatures

By: Richard Marsh For: Walter  
Gilbert

08/21/2012

\_\_Signature of Reporting Person

Date

## 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) One third vests annually beginning on the 1st anniversary of the option date.

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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