MYRIAD GENETICS INC Form SC 13G March 06, 2017
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
SCHEDULE 13G
Under the Securities Exchange Act of 1934
Myriad Genetics, Inc.
(Name of Issuer)
Common stock, \$0.01 par value
(Title of Class of Securities)
<u>62855J104</u>
(CUSIP Number)

February 22, 2017

(Date of Event	XX /1. : - 1.	D	T:1:	- 6 41- :-	C4 - 4 4)
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Check the following box to designate the rule pursuant to which the Schedule is filed:

- " Rule 13d-1(b)
- x Rule 13d-1(c)
- " Rule 13d-1(d)

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

^{*}The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

CUSIP No. 62855J104

	Names of Reporting Persons
	I.R.S. Identification Nos. of above persons (entities only)
1.	D. E. Shaw & Co., L.P.
	13-3695715
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) [] (b)
3.	SEC Use Only
	Citizenship or Place of Organization
4.	Delaware
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Per Wi	rson th 6.Shared Voting Power

3,264,242

Sole Dispositive Power

7.-0-

Shared Dispositive Power

8.3,411,217

Aggregate Amount Beneficially Owned by Each Reporting Person

9.

3,411,217

Check if the Aggregate Amount in Row (9) Excludes 10. Certain Shares (See Instructions) []

Percent of Class Represented by Amount in Row (9)

11. 5.0%

Type of Reporting Person (See 12.

IA, PN

CUSIP No. 62855J104

	Names of Reporting Persons
1.	I.R.S. Identification Nos. of above persons (entities only)
	David E. Shaw
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) [] (b)
3.	SEC Use Only
	Citizenship or Place of Organization
4.	United States
Nui of	mber
Sha	nres
Ber	Sole Voting Power
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Per Wit	rson th 6.Shared Voting Power

3,264,242

Sole Dispositive Power

7.-0-

Shared Dispositive Power

8.3,411,217

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9.

3,411,217

Check if the Aggregate Amount in Row (9) Excludes 10. Certain Shares (See Instructions) []

Percent of Class Represented by Amount in Row (9)

11. 5.0%

Type of Reporting Person (See 12.

IN

Item 1.					
Myriad Genetics, Inc.	(a)	Name of Issuer			
(b) 320 Wakara Way Salt Lake City, UT 84108	8	Address of Issuer's Principal Executive Offices			
Item 2.					
D. E. Shaw & Co., L.P.	(a)	Name of Person Filing			
David E. Shaw					
(b) Address of Principal Business Office or, if none, Residence The business address for each reporting person is: 1166 Avenue of the Americas, 9th Floor New York, NY 10036					
(c) Citizenship D. E. Shaw & Co., L.P. is a limited partnership organized under the laws of the state of Delaware. David E. Shaw is a citizen of the United States of America.					
Common stock, \$0.01 pa	(d) r value	Title of Class of Securities			
62855J104	(e)	CUSIP Number			

Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13d-2(b) or (c), check whether the person filing is a:

Not Applicable

Item 4. Ownership

As of February 22, 2017:

(a)

Amount beneficially owned:

D. E. Shaw & Co., L.P.: 3,411,217 shares

This is composed of (i) 1,745,166 shares in the name of D. E. Shaw Valence Portfolios, L.L.C., (ii) 32,400 shares that D. E. Shaw Valence Portfolios, L.L.C. has the right to acquire through the exercise of listed call options, (iii) 1,124,038 shares in the name of D. E. Shaw Oculus Portfolios, L.L.C., (iv) 6,553 shares in the name of D. E. Shaw Heliant Capital, L.L.C., and (v) 503,060 shares under the management of D. E. Shaw Investment Management, L.L.C.

David E. Shaw:

3,411,217 shares

This is composed of (i) 1,745,166 shares in the name of D. E. Shaw Valence Portfolios, L.L.C., (ii) 32,400 shares that D. E. Shaw Valence Portfolios, L.L.C. has the right to acquire through the exercise of listed call options, (iii) 1,124,038 shares in the name of D. E. Shaw Oculus Portfolios, L.L.C., (iv) 6,553 shares in the name of D. E. Shaw Heliant Capital, L.L.C., and (v) 503,060 shares under the management of D. E. Shaw Investment Management, L.L.C.

(b) Percent of class:

D. E. Shaw & Co., L.P.: 5.0% David E. Shaw: 5.0%

> Number of shares to which the person has: (c)

Sole power to vote or to direct the vote: (i)

D. E. Shaw & Co., L.P.: -0- shares David E. Shaw: -0- shares

> Shared power to vote or to direct the vote: (ii)

D. E. Shaw & Co., L.P.: 3,264,242 shares David E. Shaw: 3,264,242 shares

> (iii) Sole power to dispose or to direct the disposition of:

D. E. Shaw & Co., L.P.: -0- shares David E. Shaw: -0- shares

> Shared power to dispose or to direct the disposition of: (iv)

D. E. Shaw & Co., L.P.: 3,411,217 shares David E. Shaw: 3,411,217 shares

David E. Shaw does not own any shares directly. By virtue of David E. Shaw's position as President and sole shareholder of D. E. Shaw & Co., Inc., which is the general partner of D. E. Shaw & Co., L.P., which in turn is the manager and investment adviser of D. E. Shaw Valence Portfolios, L.L.C., the investment adviser of D. E. Shaw Oculus Portfolios, L.L.C., and the managing member of (i) D. E. Shaw Investment Management, L.L.C. and (ii) D. E. Shaw Heliant Adviser, L.L.C., which in turn is the investment adviser of D. E. Shaw Heliant Capital, L.L.C., and by virtue of David E. Shaw's position as President and sole shareholder of D. E. Shaw & Co. II, Inc., which is the managing member of D. E. Shaw & Co., L.L.C., which in turn is the manager of D. E. Shaw Oculus Portfolios, L.L.C. and the managing member of D. E. Shaw Heliant Manager, L.L.C., which in turn is the manager of D. E. Shaw Heliant Capital, L.L.C., David E. Shaw may be deemed to have the shared power to vote or direct the vote of 3,264,242 shares, and the shared power to dispose or direct the disposition of 3,411,217 shares, the 3,411,217 shares as described above constituting 5.0% of the outstanding shares and, therefore, David E. Shaw may be deemed to be the beneficial owner of such shares. David E. Shaw disclaims beneficial ownership of such 3,411,217 shares.

Item 5. Ownership of Five Percent or Less of a Class

Not Applicable

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not Applicable

Item Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on Bythe Parent Holding Company or Control Person.

Not Applicable

Item 8. Identification and Classification of Members of the Group

Not Applicable

Item 9. Notice of Dissolution of Group

Not Applicable

Item 10. Certification

By signing below, each of D. E. Shaw & Co., L.P. and David E. Shaw certify that, to the best of such reporting person's knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having such purposes or effect.

SIGNATURE

After reasonable inquiry and to the best of their knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct. A Power of Attorney, dated March 1, 2017, granted by David E. Shaw in favor of Nathan Thomas, is attached hereto.

Dated: March 6, 2017

D. E. Shaw & Co., L.P.

By: <u>/s/ Nathan Thomas</u> Nathan Thomas Chief Compliance Officer

David E. Shaw

By: /s/ Nathan Thomas Nathan Thomas Attorney-in-Fact for David E. Shaw