MYRIAD GENETICS INC Form SC 13G/A December 12, 2008

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

(Title of Class of Securities)

62855J104 -----(CUSIP Number)

SEPTEMBER 30th, 2008

(Date of Event Which Requires Filing of this Statement)

Check appropriate box to designate the rule pursuant to which this Schedule is filed:

|_| Rule 13d-1(b)
|X| Rule 13d-1(c)
|_| Rule 13d-1(d)

The information required on 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).

NAME OF REPORTING PERSON
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

PICTET FUNDS (LUX) - BIOTECH (formerly PICTET FUNDS - BIOTECH

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) |_|
(b) |X|

SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
Luxembourg

5 SOLE VOTING POWER

2'110'000

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON		LY	
		7 SOLE DISPOSITIVE POWER	
	WITH	8 SHARED DISPOSITIVE POWER	
 9		TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	CHECK BO	OX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*	I_I
 11	PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
12		REPORTING PERSON*	
	INVESTM	ENT FUND	
		*SEE INSTRUCTIONS BEFORE FILLING OUT	
Iter	n 1.		
		Name of Issuer: MYRIAD GENETICS INC Address of Issuer's Principal Executive Offices:	
		320 WAKARA WAY	
		SALT LAKE CITY, UT 84108	
		United States	
Iter	n 2.		
	(a)	Name of Person Filing:	
		PICTET FUNDS (LUX) - BIOTECH (formerly PICTET FUNDS - BIOTECH)	
	(b)	Address of Principal Business Office or, if none, Residence:	
		Luxembourg	
	(c)	Citizenship: Luxembourg	
	(d)	Title of Class Securities: Common Stock	
Iter	(e) n 3.	CUSIP Number: N/A	
	Not ar	oplicable.	
Iten	n 4. Owne	ership	

(a) Amount Beneficially Owned:

2'110'000

- (b) Percent of Class: 4.62%
- (c) Number of shares as to which such person has:
- (i) sole power to vote or to direct the vote:
 - (ii) shared power to vote or to direct the vote:
 - (iii) sole power to dispose or to direct the disposition of:
 - (iv) shared power to dispose or to direct the disposition of:
- Item 5. Ownership of Five Percent or Less of a Class

**The Reporting Person beneficially owned more than 5 percent of the Common Stock as of February 7th, 2008 but has subsequently decreased its beneficial ownership below 5 percent as of the date of this filing.

Item 6.

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company

Not Applicable.

Item 8. Identification and Classification of Members of the Group

Not applicable.

Item 9. Notice of Dissolution of the Group

Not applicable.

Item 10. Certification

By signing below I certify that, to the best if my 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 that purpose or effect.

SIGNATURE

After reasonable inquire and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: December 10th December, 2008

Claudy Huart Charles Vallee
