

GLAXOSMITHKLINE PLC  
Form 6-K  
October 18, 2016

FORM 6-K

SECURITIES AND EXCHANGE COMMISSION  
Washington D.C. 20549

Report of Foreign Issuer

Pursuant to Rule 13a-16 or 15d-16 of  
the Securities Exchange Act of 1934

For period ending 17 October 2016

GlaxoSmithKline plc  
(Name of registrant)

980 Great West Road, Brentford, Middlesex, TW8 9GS  
(Address of principal executive offices)

Indicate by check mark whether the registrant files or  
will file annual reports under cover Form 20-F or Form 40-F

Form 20-F  Form 40-F

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Indicate by check mark whether the registrant by furnishing the  
information contained in this Form is also thereby furnishing the  
information to the Commission pursuant to Rule 12g3-2(b) under the  
Securities Exchange Act of 1934.

Yes No

GlaxoSmithKline plc (the 'Company')

Transaction notification

1. Details of PDMR/person closely associated with them ('PCA')

- a) Name Dr M M Slaoui  
 b) Position/status Chairman, Global Vaccines

c) Initial notification/  
 amendment Initial notification

2. Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor

- a) Name GlaxoSmithKline plc  
 b) LEI 5493000HZTVUYLO1D793

3. Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transaction(s) has been conducted

a) Description of the financial instrument American Depository Shares ('ADSs')

ISIN: US37733W1053

Acquisition of ADSs following the re-investment of dividends paid to shareholders on 13 October 2016 on ADSs held in the Company's US Deferred Performance Plan.

b) Nature of the transaction

c) Price(s) and volume(s)

Price(s)	Volume(s)
\$46.1526	244.955

d) Aggregated information  
 Aggregated volume Price n/a (single transaction)

e) Date of the transaction 2016-10-13

f) Place of the transaction New York Stock Exchange (XNYS)

1. Details of PDMR/person closely associated with them ('PCA')

- a) Name Mr D E Troy  
 b) Position/status SVP & General Counsel

c) Initial notification/  
 amendment Initial notification

2. Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor

- a) Name GlaxoSmithKline plc  
 b) LEI 5493000HZTVUYLO1D793

3. Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each

place where transaction(s) has been conducted

a)	Description of the financial instrument	American Depositary Shares ('ADSs') ISIN: US37733W1053	
b)	Nature of the transaction	Acquisition of ADSs following the re-investment of dividends paid to shareholders on 13 October 2016 on ADSs held in the Company's US Deferred Performance Share Plan.	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		\$46.1526	324.557
		\$46.1526	5.002
d)	Aggregated information	329.559	
	Aggregated volume	Price	
e)	Date of the transaction	\$46.1526	
		2016-10-13	
f)	Place of the transaction	New York Stock Exchange (XNYS)	

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorised.

GlaxoSmithKline plc  
(Registrant)  
Date: October 17, 2016

By: VICTORIA WHYTE

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Victoria Whyte  
Authorised Signatory for and on  
behalf of GlaxoSmithKline plc