

GLAXOSMITHKLINE PLC  
Form 6-K  
March 25, 2011

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 March 2011

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

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Notification of Transactions of Directors, Persons Discharging Managerial Responsibility or Connected Persons

I give below details of changes in the interests of Directors, Persons Discharging Managerial Responsibility or Connected Persons in the Ordinary Shares of GlaxoSmithKline plc.

Mr A P Witty                      The purchase of 861 Ordinary shares in GlaxoSmithKline plc on 25 March 2011 within an ISA at a price of £11.70 per Ordinary share; and

    The transfer by way of gift of 500 Ordinary shares in GlaxoSmithKline plc to each of his two children on 25 March 2011.

The Company was advised of these transactions on 25 March 2011.

This notification relates to transactions notified in accordance with Disclosure Rule 3.1.4R(1)(a) and (c).

V A Whyte  
Company Secretary

25 March 2011

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: March 25 2011

By: VICTORIA WHYTE

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Victoria Whyte  
Authorised Signatory for and on  
behalf of GlaxoSmithKline plc