

GLAXOSMITHKLINE PLC  
Form 6-K  
February 10, 2012

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 February 2012

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 a Person Discharging Managerial Responsibility and her Connected Person in the Ordinary Shares of GlaxoSmithKline plc ("Ordinary shares") on 10 February 2012:

Mrs V A Whyte                      Exercise of an SAYE share option to purchase  
1,009 Ordinary shares, granted on 1 December  
2008 under GSK's all employee Sharesave Plan  
at a price of £9.51 per share.

The transfer by way of gift of 1631 Ordinary  
shares to her connected person, Mr I Whyte.

The Company and the above mentioned persons were advised of these transactions on 10 February 2012.

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

V A Whyte  
Company Secretary

10 February 2012

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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: February 10, 2012

By: VICTORIA WHYTE  
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Victoria Whyte  
Authorised Signatory for and on  
behalf of GlaxoSmithKline plc