

GLAXOSMITHKLINE PLC  
Form 6-K  
April 19, 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 April 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

The Administrators of the GlaxoSmithKline 2009 Deferred Annual Bonus Plan (the Plan) notified the Company and the under-mentioned persons on 18 April 2012 of an increase in their interests in American Depositary Shares (ADSs) at a price of \$44.74 per ADS following the re-investment of dividends paid to shareholders on 12 April 2012.

Mrs D P Connelly Acquisition of 14.826 ADSs under the personal contribution element of the Plan.

Notional increase of 15.143 ADSs under the matching element of the Plan (Company contribution).

Mr W C Louv Acquisition of 38.938 ADSs under the personal contribution element of the Plan.

Notional increase of 39.761 ADSs under the matching element of the Plan (Company contribution).

The afore-mentioned individuals have elected to participate in the Plan in respect of their 2010 bonus on a post-tax basis. The notional dividends accrued under the matching element will be paid out in proportion to the percentage of the participant's deferred annual bonus matching award holdings that will vest following the end of the relevant three year measurement period.

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

V A Whyte  
Company Secretary

19 April 2012

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: April 19, 2012

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