

GLAXOSMITHKLINE PLC  
Form 6-K  
February 22, 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 February 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 and Persons Discharging Managerial Responsibility

This notification sets out the sale of shares for tax following the vesting of Ordinary Shares made in 2008 under the GlaxoSmithKline Share Value Plan.

The three-year vesting period for the GlaxoSmithKline Share Value Plan awards made in 2008, which commenced on 1 January 2008, came to an end on 31 December 2010. The awards made to individuals who have subsequently been appointed Corporate Executive Team members, together with the Company Secretary, who are all Persons Discharging Managerial Responsibility (PDMR), are given in the table below.

Following the vesting of this award the table below also gives details of the sale of Ordinary shares at a price of £12.01 per Ordinary share on 21 February 2011.

	No. of Shares Sold	No. of Shares Retained
Mr S M Bicknell	1,286	1,234
Mr D S Redfern	1,709	1,641
Ms C Thomas	1,286	1,234
Mrs V Whyte	612	588

The Company and PDMRs were advised of these transactions on 21 February 2011.

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

V A Whyte  
Company Secretary

22 February 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: February 22, 2011

By: VICTORIA WHYTE

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Victoria Whyte  
Authorised Signatory for and on  
behalf of GlaxoSmithKline plc