

GLAXOSMITHKLINE PLC  
Form 6-K  
January 11, 2010

**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 January 2010

**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 x Form 40-F

--

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

Yes No x

--

**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 in respect of the under-mentioned persons arising from the purchase of Ordinary shares at a price of £12.99 per Ordinary share on 7 January 2010 through the Company's ShareReward Plan ("the Plan") which the under-mentioned persons entered on 5 October 2001:

Mr A P Witty      Acquisition of 25 Ordinary shares under the Dividend Reinvestment element of the Plan

Mr J S Heslop      Acquisition of 25 Ordinary shares under the Dividend Reinvestment element of the Plan

Mr S M Bicknell      Acquisition of 25 Ordinary shares under the Dividend Reinvestment element of the Plan

Mr E J Gray      Acquisition of 25 Ordinary shares under the Dividend Reinvestment element of the Plan

Mr S A Hussain      Acquisition of 4 Ordinary shares under the Dividend Reinvestment element of the Plan

Mr D Learmouth      Acquisition of 25 Ordinary shares under the Dividend Reinvestment element of the Plan

Dr D Pulman      Acquisition of 10 Ordinary shares under the Dividend Reinvestment element of the Plan

Mr D S Redfern      Acquisition of 25 Ordinary shares under the Dividend Reinvestment element of the Plan

Ms C Thomas      Acquisition of 25 Ordinary shares under the Dividend  
Reinvestment element of the Plan

The Company and the above-mentioned persons were advised of this information on  
8 January 2010.

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

V A Whyte

Deputy Company Secretary

11 January 2010

**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: January 11, 2010

By: VICTORIA WHYTE

-----

Victoria Whyte  
Authorised Signatory for and on  
behalf of GlaxoSmithKline plc