

GLAXOSMITHKLINE PLC  
Form 6-K  
October 13, 2009

**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 October 2009

**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 £12.34 per Ordinary share on 8 October 2009 through the Company's ShareReward Plan ("the Plan") which the under-mentioned persons entered on 5 October 2001:

Mr A P Witty	Acquisition of 23 Ordinary shares under the Dividend Reinvestment element of the Plan
Mr J S Heslop	Acquisition of 23 Ordinary shares under the Dividend Reinvestment element of the Plan
Mr S M Bicknell	Acquisition of 23 Ordinary shares under the Dividend Reinvestment element of the Plan
Mr E J Gray	Acquisition of 23 Ordinary shares under the Dividend Reinvestment element of the Plan
Mr S A Hussain	Acquisition of 7 Ordinary shares under the Dividend Reinvestment element of the Plan
Mr D Learmouth	Acquisition of 23 Ordinary shares under the Dividend Reinvestment element of the Plan
Dr D Pulman	Acquisition of 9 Ordinary shares under the Dividend Reinvestment element of the Plan
Mr D S Redfern	Acquisition of 23 Ordinary shares under the Dividend Reinvestment element of the Plan
Ms C Thomas	Acquisition of 23 Ordinary shares under the Dividend Reinvestment element of the Plan

The Company and the above-mentioned persons were advised of this information on 12 October 2009.

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  
12 October  
2009

**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: October 12, 2009

By: VICTORIA WHYTE

-----

Victoria Whyte  
Authorised Signatory for and on  
behalf of GlaxoSmithKline plc