

GLAXOSMITHKLINE PLC  
Form 6-K  
March 22, 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 March 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

--

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

--



Notification of Transactions of Directors, Persons Discharging Managerial Responsibility or Connected Persons

I give below details of a change in interests in the Ordinary Shares of GlaxoSmithKline plc in respect of the under-mentioned Director:-

Under the rules of the Company's Annual Investment Plan, the following award was automatically exercised at a price of 1424.25 pence per Ordinary Share on 19 March 2012.

| Director      | Number of Ordinary Share |
|---------------|--------------------------|
| Dr M M Slaoui | 2,115                    |

The Company and the above-mentioned Director were advised of this transaction on 21 March 2012.

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 March 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: March 22, 2012

By: VICTORIA WHYTE  
-----

Victoria Whyte  
Authorised Signatory for and on  
behalf of GlaxoSmithKline plc