

GLAXOSMITHKLINE PLC

Form 6-K

January 13, 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 January 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

I give below details of an increase in interests in Ordinary shares in GlaxoSmithKline plc purchased at a price of 1445.87 pence per share on 5 January 2012, in respect of the personal holding of the under-mentioned Connected Person following the re-investment of the dividend paid to shareholders on 5 January 2012.

| Director/PDMR | Connected Person | Ordinary Shares |
|----------------|------------------|-----------------|
| Mr P C Thomson | Mrs K Thomson | 19.818 |

The Company was advised of this information on 13 January 2012.

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

V A Whyte

Company Secretary

13 January 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: January 13, 2012

By: VICTORIA WHYTE

Victoria Whyte
Authorised Signatory for and on
behalf of GlaxoSmithKline plc