

GLAXOSMITHKLINE PLC

Form 6-K

April 20, 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 April 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 an increase in interests in American Depositary Shares (ADSs) of GlaxoSmithKline plc purchased at a price of \$45.973 per ADS on 13 April 2012, in respect of the personal holdings of the under-mentioned persons following the re-investment of the dividend paid to shareholders on 12 April 2012.

| Director/PDMR | Number of ADSs | Connected Person | Number of ADSs |
|---------------|----------------|------------------|----------------|
| Dr M M Slaoui | 634.044 | Dr K Slaoui | 18.915 |
| Mr W C Louv | 276.405 | - | - |
| Dr D Pulman | 398.265 | - | - |

The Company was advised of this information on 20 April 2012.

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

V A Whyte
Company Secretary

20 April 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: April 20, 2012

By: VICTORIA WHYTE

Victoria Whyte
Authorised Signatory for and on
behalf of GlaxoSmithKline plc