

SECURITIES AND EXCHANGE COMMISSION

FORM 6-K

Current report of foreign issuer pursuant to Rules 13a-16 and 15d-16 Amendments

Filing Date: **2013-01-09** | Period of Report: **2013-01-09**
SEC Accession No. [0001191638-13-000041](#)

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GLAXOSMITHKLINE PLC

CIK: [1131399](#) | IRS No.: **000000000**
Type: **6-K** | Act: **34** | File No.: [001-15170](#) | Film No.: **13520066**
SIC: **2834** Pharmaceutical preparations

| Mailing Address | Business Address |
|--|---|
| 980 GREAT WEST ROAD BRENTFORD MIDDLESEX X0 TW8 9GS | 980 GREAT WEST ROAD BRENTFORD MIDDLESEX X0 TW8 9GS 011442080475000 |

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 2013

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**

The Administrators of the GlaxoSmithKline UK and US Performance Share Plans notified the Company and the under-mentioned persons on 8 January 2013 of the following increases in their notional interests in Ordinary Shares at a price of 1363.50 pence per Ordinary Share and American Depositary Shares (ADSs) at a price of \$43.98 per ADS following the notional re-investment of the dividend paid to shareholders on 3 January 2013.

| | Ordinary Shares | ADSs |
|--------------------------|-------------------|------------------|
| Sir Andrew Witty | 20,450.937 | |
| Dr M M Slaoui | | 6,122.035 |
| Mr S Dingemans | 5,090.784 | |
| Mr S M Bicknell | 2,087.162 | |
| Mr R G Connor | 347.518 | |
| Mrs D P Connelly | | 2,901.855 |
| Mr M Dunoyer | 2,544.210 | |
| Mr S A Hussain | 5,481.314 | |
| Mr W C Louv | | 1,786.856 |
| Mr D S Redfern | 2,792.816 | |
| Ms C Thomas | 3,938.648 | |
| Mr P C Thomson | 787.654 | |
| Mr D E Troy | | 3,380.730 |
| Dr P J T Vallance | 4,805.754 | |
| Ms E Walmsley | 3,195.499 | |
| Mr C Weber | 695.878 | |
| Mrs V A Whyte | 373.072 | |

The notional dividends accrued will be paid out in proportion to the percentage of participants' Performance Share Plan holdings that vest following the end of the relevant three year measurement period.

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

V A Whyte
Company Secretary

9 January 2013

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 9, 2013

By: VICTORIA WHYTE

Victoria Whyte
Authorised Signatory for and on
behalf of GlaxoSmithKline plc