

SECURITIES AND EXCHANGE COMMISSION

FORM 6-K

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

Filing Date: **2013-01-10** | Period of Report: **2013-01-10**
SEC Accession No. [0001191638-13-000051](#)

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GLAXOSMITHKLINE PLC

CIK: [1131399](#) | IRS No.: **000000000**
Type: **6-K** | Act: **34** | File No.: [001-15170](#) | Film No.: **13522275**
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 2009 Deferred Annual Bonus Plan (the Plan) notified the Company and the under-mentioned persons on 10 January 2013 of the following increases in their interests in Ordinary Shares and American Depositary Shares (ADSs) at a price of 1381 pence per Ordinary Share and \$44.288 per ADS following the re-investment of dividends paid to shareholders on 3 January 2013.

Mrs D P Connelly	Acquisition of 27.164 ADSs under the personal contribution element of the Plan. Acquisition of 27.820 ADSs under the matching element of the Plan (Company contribution).
Mr M Dunoyer	Acquisition of 39.000 Ordinary Shares under the personal contribution element of the Plan. Acquisition of 39.670 Ordinary Shares under the matching element of the Plan (Company contribution).
Mr W C Louv	Acquisition of 28.873 ADSs under the personal contribution element of the Plan. Acquisition of 29.500 ADSs under the matching element of the Plan (Company contribution).

The afore-mentioned individuals have elected to participate in the Plan in respect of their 2010 and 2011 bonus on a post-tax basis. The notional dividends accrued under the matching element will be paid out in proportion to the percentage of the participant's deferred annual bonus matching award holdings that will 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

10 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 10, 2013

By: VICTORIA WHYTE

Victoria Whyte
Authorised Signatory for and on
behalf of GlaxoSmithKline plc