

GLAXOSMITHKLINE PLC

Form 6-K

March 20, 2013

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 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

Yes No

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

The Administrators of the GlaxoSmithKline Annual Investment Plan notified the Company and the under-mentioned Director of the exercise of the following awards on 15 March 2013 at a price of 1495 pence per share.

| Director | Date of Award | Number of Ordinary Shares exercised |
|---------------|---------------|-------------------------------------|
| | 20 March 2003 | 5,143 |
| | 20 March 2004 | 5,228 |
| Dr M M Slaoui | 18 March 2005 | 5,393 |
| | 20 March 2006 | 10,217 |
| | Total | 25,981 |

11,715 Ordinary Shares were then sold to cover tax obligations on 18 March 2013 at a price of 1495.50 pence per share.

The Company and the above-mentioned Director were advised of this information by the Administrators of the Plan on 18 March 2013.

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

V A Whyte
Company Secretary

19 March 2013

SIGNATURES

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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 19, 2013

By: VICTORIA WHYTE

Victoria Whyte
Authorised Signatory for and on
behalf of GlaxoSmithKline plc