

GLAXOSMITHKLINE PLC  
Form 6-K  
July 17, 2008

**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 July 17, 2008

**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 purchased at a price of £12.13 per share, and Ordinary share ADRs purchased at a price of \$47.89 per ADR in GlaxoSmithKline plc on 14 July 2008, in respect of the personal holdings of the under-mentioned persons following the re-investment of the dividend paid to shareholders on 10 July 2008.

|                      | <b>Ordinary shares</b> | <b>ADRs</b> |
|----------------------|------------------------|-------------|
| Mr A P Witty         | 210.24                 |             |
| Mr J S Heslop        | 42.33                  |             |
| Dr M M Slaoui        | 61.80                  |             |
| Mrs C E Bruck Slaoui | 19.16                  |             |
| Mr C Viehbacher      |                        | 121.51      |
| Mr S M Bicknell      | 27.38                  |             |
| Mr J M Clarke        | 130.72                 |             |
| Mr M Dunoyer         | 79.18                  |             |
| Mr E J Gray          | 79.46                  |             |
| Mr D Learmouth       | 47.64                  |             |
| Mr W C Louv          |                        | 39.04       |
| Mr D J Phelan        |                        | 119.17      |
| Dr D Pulman          |                        | 68.94       |
| Mr D S Redfern       | 0.35                   |             |
| Ms C Thomas          | 59.79                  |             |
| Mr J R Stéphenne     | 221.56                 |             |
| Mr S M Werner        |                        | 39.72       |

The Company and the above named persons were advised of this information on 16 July 2008.

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

V A Whyte  
Deputy Company Secretary

17 July 2008

**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: July 17, 2008

By: VICTORIA WHYTE

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Victoria Whyte  
Authorised Signatory for and on  
behalf of GlaxoSmithKline plc