

GLAXOSMITHKLINE PLC  
Form 6-K  
August 12, 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 August 12, 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 changes in the interests of Directors, Persons Discharging Managerial Responsibility or Connected Persons in the Ordinary shares of GlaxoSmithKline plc

in respect of the under-

mentioned persons arising from the purchase of Ordinary shares at a price of £12.68 per Ordinary share on 11 August

2008

through the Company's Share

Reward Plan ("the Plan") which the under-mentioned persons entered on 5 October 2001:

- |                 |   |
|-----------------|---|
| Mr A P Witty    | Acquisition of 10 Ordinary shares under the partnership element of the Plan (personal contribution) |
|                 | Acquisition of 10 Ordinary shares under the matching element of the Plan (Company contribution)     |
| Mr J S Heslop   | Acquisition of 10 Ordinary shares under the partnership element of the Plan (personal contribution) |
|                 | Acquisition of 10 Ordinary shares under the matching element of the Plan (Company contribution)     |
| Mr S M Bicknell | Acquisition of 10 Ordinary shares under the partnership element of the Plan (personal contribution) |
|                 | Acquisition of 10 Ordinary shares under the matching element of the Plan (Company contribution)     |
| Mr E J Gray     | Acquisition of 10 Ordinary shares under the partnership element of the Plan (personal contribution) |

Acquisition of 10  
Ordinary shares under the matching element of the Plan (Company contribution)

Mr D Learmouth Acquisition of 10  
Ordinary shares under the partnership element of the Plan (personal contribution)

Acquisition of  
10  
Ordinary shares under the matching element of the Plan (Company contribution)

Mr D  
S  
Redfern Acquisition of 10 Ordinary shares under the partnership element of the Plan (personal contribution)

Acquisition of 10 Ordinary shares under the matching element of the Plan (Company contribution)

Ms C Thomas Acquisition of 10 Ordinary shares under the partnership element of the Plan (personal contribution)

Acquisition of 10 Ordinary shares under the matching element of the Plan (Company contribution)

The Company and the above-mentioned persons were advised of  
this information on  
12 August

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

12 August  
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: August 12, 2008

By: VICTORIA WHYTE  
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Victoria Whyte  
Authorised Signatory for and on  
behalf of GlaxoSmithKline plc