

GLAXOSMITHKLINE PLC  
Form 6-K  
October 01, 2010

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 October 2010

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 directors' interests in the Ordinary shares and American Depository Shares (ADSs) of GlaxoSmithKline plc.

On 30 September 2010, the Company's Non-Executive Directors were provisionally allocated awards over Ordinary shares at a price of £12.57 per Ordinary share and \$39.77 per ADS under the share allocation arrangements for Non-Executive Directors for the period of service from 1 July 2010 to 30 September 2010:

Non Executive Director	Ordinary Shares	American Depository Shares (ADSs)
Sir Christopher Gent	2,684.96	
Prof. Sir Roy Anderson	522.08	
Dr Stephanie Burns		384.85
Mr Lawrence Culp		769.71
Sir Crispin Davis	1,889.42	
Sir Deryck Maughan		1,077.59
Mr James Murdoch	1,491.65	
Dr Daniel Podolsky		1,039.10
Mr Tom de Swaan	770.68	
Sir Robert Wilson	522.08	

The Company and the Non-Executive Directors were informed of these allocations on 1 October 2010.

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

S M Bicknell  
Company Secretary  
1 October 2010

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: October 01 2010

By: VICTORIA WHYTE

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Victoria Whyte  
Authorised Signatory for and on  
behalf of GlaxoSmithKline plc