

## Director/PDMR Shareholding

October 31, 2016 – Shire plc (LSE: SHP, NASDAQ: SHPG) (the “Company”)

### Notification of transactions by persons discharging managerial responsibilities

<b>1.</b>	<b>Details of the person discharging managerial responsibilities (“PDMR”) / person closely associated with them (“PCA”)</b>		
a)	Name	Ginger Gregory	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position / status	Chief Human Resources Officer - PDMR	
b)	Initial notification / amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Shire plc	
b)	LEI	54930005LQRLI2UXRQ59	
<b>4.</b>	<b>Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted</b>		
a)	Description of the financial instrument, type of instrument	Shire plc American Depositary Shares (“ADSs”)	
	Identification code	ISIN: US82481R1068	
b)	Nature of the transaction	Automatic exercise of option over notional ADSs granted under the Shire Global Employee Stock Purchase Plan on November 1, 2015, and consequent receipt of ADSs.	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		\$147.56	35
d)	Aggregated information - Aggregated volume - Price	N/A (single transaction)	
e)	Date of the transaction	October 31, 2016	
f)	Place of the transaction	N/A	

<b>1.</b>	<b>Details of the person discharging managerial responsibilities (“PDMR”) / person closely associated with them (“PCA”)</b>		
a)	Name	Flemming Ornskov	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position / status	Chief Executive Officer - PDMR	
b)	Initial notification / amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Shire plc	
b)	LEI	54930005LQRLI2UXRQ59	
<b>4.</b>	<b>Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted</b>		
a)	Description of the financial instrument, type of instrument Identification code	Shire plc American Depositary Shares (“ADSs”)  ISIN: US82481R1068	
b)	Nature of the transaction	Automatic exercise of option over notional ADSs granted under the Shire Global Employee Stock Purchase Plan on November 1, 2015, and consequent receipt of ADSs.	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		\$147.56	84
d)	Aggregated information - Aggregated volume - Price	N/A (single transaction)	
e)	Date of the transaction	October 31, 2016	
f)	Place of the transaction	N/A	

<b>1.</b>	<b>Details of the person discharging managerial responsibilities (“PDMR”) / person closely associated with them (“PCA”)</b>		
a)	Name	Perry Sternberg	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position / status	Head of US Commercial - PDMR	
b)	Initial notification / amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Shire plc	
b)	LEI	54930005LQRLI2UXRQ59	

<b>4.</b>	<b>Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted</b>		
a)	Description of the financial instrument, type of instrument Identification code	Shire plc American Depositary Shares (“ADSs”)  ISIN: US82481R1068	
b)	Nature of the transaction	Automatic exercise of option over notional ADSs granted under the Shire Global Employee Stock Purchase Plan on November 1, 2015, and consequent receipt of ADSs.	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		\$147.56	84
d)	Aggregated information - Aggregated volume - Price	N/A (single transaction)	
e)	Date of the transaction	October 31, 2016	
f)	Place of the transaction	N/A	

<b>1.</b>	<b>Details of the person discharging managerial responsibilities (“PDMR”) / person closely associated with them (“PCA”)</b>		
a)	Name	Kim Stratton	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position / status	Head of International Commercial - PDMR	
b)	Initial notification / amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Shire plc	
b)	LEI	54930005LQRLI2UXRQ59	
<b>4.</b>	<b>Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted</b>		
a)	Description of the financial instrument, type of instrument Identification code	Shire plc Ordinary Shares of 5 pence each (“Ordinary Shares”)  ISIN: JE00B2QKY057	
b)	Nature of the transaction	Automatic exercise of option over notional Ordinary Shares granted under the Shire Global Employee Stock Purchase Plan on November 1, 2015, and consequent receipt of Ordinary Shares.	
c)	Price(s) and	Price(s)	Volume(s)

	volume(s)	£40.70	244
d)	Aggregated information - Aggregated volume - Price	N/A (single transaction)	
e)	Date of the transaction	October 31, 2016	
f)	Place of the transaction	N/A	

<b>1.</b>	<b>Details of the person discharging managerial responsibilities (“PDMR”) / person closely associated with them (“PCA”)</b>		
a)	Name	Phil Vickers	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position / status	Head of Research and Development - PDMR	
b)	Initial notification / amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Shire plc	
b)	LEI	54930005LQRLI2UXRQ59	
<b>4.</b>	<b>Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted</b>		
a)	Description of the financial instrument, type of instrument  Identification code	Shire plc American Depositary Shares (“ADSs”)  ISIN: US82481R1068	
b)	Nature of the transaction	Automatic exercise of option over notional ADSs granted under the Shire Global Employee Stock Purchase Plan on November 1, 2015, and consequent receipt of ADSs.	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		\$147.56	84
d)	Aggregated information - Aggregated volume - Price	N/A (single transaction)	
e)	Date of the transaction	October 31, 2016	
f)	Place of the transaction	N/A	

Oliver Strawbridge  
Senior Assistant Company Secretary

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**NOTES TO EDITORS**

**About Shire**

Shire is the leading global biotechnology company focused on serving people with rare diseases and other highly specialized conditions. We strive to develop best-in-class products, many of which are available in more than 100 countries, across core therapeutic areas including Hematology, Immunology, Neuroscience, Ophthalmics, Lysosomal Storage Disorders, Gastrointestinal / Internal Medicine / Endocrine and Hereditary Angioedema; and a growing franchise in Oncology.

Our employees come to work every day with a shared mission: to develop and deliver breakthrough therapies for the hundreds of millions of people in the world affected by rare diseases and other high-need conditions, and who lack effective therapies to live their lives to the fullest.

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