

CONCERT PHARMACEUTICALS, INC.

Form 3

February 12, 2014

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

| | | | | |
|---|---------|--------------------------------------|--|--|
| 1. Name and Address of Reporting Person * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â GLAXOSMITHKLINE PLC | | (Month/Day/Year) | CONCERT PHARMACEUTICALS, INC. [CNCE] | |
| (Last) | (First) | (Middle) | 02/12/2014 | |
| 980 GREAT WEST ROAD | | | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| (Street) | | | (Check all applicable) | |
| BRENTFORD | | | <input type="checkbox"/> Director | <input checked="" type="checkbox"/> 10% Owner |
| MIDDLESEX,Â X0Â TW8 9GS | | | <input type="checkbox"/> Officer | <input type="checkbox"/> Other |
| (City) | (State) | (Zip) | (give title below) | (specify below) |
| | | | | 6. Individual or Joint/Group Filing(Check Applicable Line) |
| | | | | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
| | | | | <input type="checkbox"/> Form filed by More than One Reporting Person |

Table I - Non-Derivative Securities Beneficially Owned

| | | | |
|------------------------------------|--|---|--|
| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|------------------------------------|--|---|--|

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| | | | | | |
|---|---|--|--|--|--|
| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
| | Date Exercisable | Expiration Date | | | |
| | | Title | Amount or Number of Shares | | |

| | | | | | | | |
|--------------------------------------|--------------|--------------|--------------|----------------------|---------------|---|-----------------------------------|
| Series C Convertible Preferred Stock | Â <u>(1)</u> | Â <u>(2)</u> | Common Stock | 141,592 <u>(1)</u> | \$ <u>(1)</u> | I | By S.R. One Limited <u>(3)</u> |
| Series D Convertible Preferred Stock | Â <u>(1)</u> | Â <u>(2)</u> | Common Stock | 1,179,941 <u>(1)</u> | \$ <u>(1)</u> | I | By Glaxo Group Limited <u>(4)</u> |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| GLAXOSMITHKLINE PLC 980 GREAT WEST ROAD BRENTFORD MIDDLESEX,Â X0Â TW8 9GS | Â | Â X | Â | Â |

Signatures

| | |
|--|------------|
| /s/ Simon Dingemans, Chief Financial Officer | 02/12/2014 |
| <u> </u> Signature of Reporting Person | Date |

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Convertible into Common Stock on a 1-for-5.65 basis without payment of further consideration. Each share will automatically convert into 0.176991 shares of Common Stock upon the closing of the Issuer's initial public offering (the "IPO"), for no additional consideration.
- (2) Not applicable.
- (3) Shares are held by S.R. One Limited, an indirect, wholly-owned subsidiary of GlaxoSmithKline plc (Reporting Person).
- (4) Shares are held by Glaxo Group Limited, an indirect, wholly-owned subsidiary of GlaxoSmithKline plc (Reporting Person).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.