

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>GLAXOSMITHKLINE PLC</u> (Last) (First) (Middle) <u>980 GREAT WEST ROAD</u> (Street) <u>BRENTFORD X0 TW8 9GS</u> <u>MIDDLESEX</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>01/01/2020</u>	3. Issuer Name and Ticker or Trading Symbol <u>Orchard Therapeutics plc [ORTX]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person 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)
<u>Ordinary Shares, nominal value (GBP)0.10 per share</u>	<u>12,455,252</u>	<u>I</u>	<u>See footnote⁽¹⁾⁽²⁾</u>

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: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				

Explanation of Responses:

- The shares reported herein are held of record by Glaxo Group Limited, an indirect, wholly-owned subsidiary of GlaxoSmithKline plc (the "Reporting Person").
- Jon Ellis holds the title of Vice President, Worldwide Business Development R&D at GlaxoSmithKline Services Unlimited, a wholly-owned indirect subsidiary of the Reporting Person. Mr. Ellis is a member of the board of directors of the Issuer.

/s/ Victoria Whyte, Authorized Signatory 12/23/2019

** Signature of Reporting Person Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.