

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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>RA CAPITAL MANAGEMENT, L.P.</u> (Last) (First) (Middle) 200 BERKELEY STREET, 18TH FLOOR (Street) BOSTON MA 02116 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Orchard Therapeutics plc [ORTX]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) 08/10/2020	
	4. 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 <input type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Ordinary shares	08/10/2020		P		14,570	A	\$4.75	9,126,418	I	See footnote ⁽¹⁾
Ordinary shares	08/10/2020		P		6,787	A	\$4.71 ⁽²⁾	9,133,205	I	See footnote ⁽¹⁾
Ordinary shares	08/12/2020		P		16,291	A	\$4.74 ⁽³⁾	9,149,496	I	See footnote ⁽¹⁾
Ordinary shares	08/14/2020		P		13,031	A	\$4.74 ⁽⁴⁾	9,162,527	I	See footnote ⁽¹⁾
Ordinary shares	08/17/2020		P		8,235	A	\$4.74	9,170,762	I	See footnote ⁽¹⁾
Ordinary shares	08/18/2020		P		45,249	A	\$4.72	9,216,011	I	See footnote ⁽¹⁾
Ordinary shares	08/19/2020		P		55,204	A	\$4.69 ⁽⁵⁾	9,271,215	I	See footnote ⁽¹⁾
Ordinary shares	08/19/2020		P		9,050	A	\$4.65	9,280,265	I	See footnote ⁽¹⁾
Ordinary shares	08/20/2020		P		58,106	A	\$4.61 ⁽⁶⁾	9,338,371	I	See footnote ⁽¹⁾
Ordinary shares	08/20/2020		P		4,525	A	\$4.61	9,342,896	I	See footnote ⁽¹⁾
Ordinary shares	08/21/2020		P		54,416	A	\$4.64 ⁽⁷⁾	9,397,312	I	See footnote ⁽¹⁾
Ordinary shares	08/21/2020		P		10,226	A	\$4.51 ⁽⁸⁾	9,407,538	I	See footnote ⁽¹⁾
Ordinary shares	09/24/2020		P		473,327	A	\$4.61 ⁽⁹⁾	9,880,865	I	See footnote ⁽¹⁾

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date					

1. Name and Address of Reporting Person*
RA CAPITAL MANAGEMENT, L.P.

(Last) (First) (Middle)
[200 BERKELEY STREET, 18TH FLOOR](#)

(Street)
[BOSTON MA 02116](#)

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[RA Capital Healthcare Fund LP](#)

(Last) (First) (Middle)
[200 BERKELEY STREET](#)

(Street)
[BOSTON MA 02116](#)

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[Kolchinsky Peter](#)

(Last) (First) (Middle)
[C/O RA CAPITAL MANAGEMENT, L.P.
200 BERKELEY STREET, 18TH FLOOR](#)

(Street)
[BOSTON MA 02116](#)

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[Shah Rajeev M.](#)

(Last) (First) (Middle)
[C/O RA CAPITAL MANAGEMENT, L.P.
200 BERKELEY STREET, 18TH FLOOR](#)

(Street)
[BOSTON MA 02116](#)

(City) (State) (Zip)

Explanation of Responses:

1. RA Capital Management, L.P. (the "Adviser") is the investment manager for the RA Capital Healthcare Fund, L.P. (the "Fund"). The general partner of the Adviser is RA Capital Management GP, LLC (the "Adviser GP"), of which Dr. Peter Kolchinsky and Mr. Rajeev Shah are the managing members. The securities reported on this Form 4 are held directly by the Fund. The Adviser, the Adviser GP, Dr. Kolchinsky and Mr. Shah disclaim beneficial ownership of such securities, except to the extent of any pecuniary interest therein.
2. This transaction was executed in multiple trades at prices ranging from \$4.72 to \$4.71; the price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide full information regarding the number of shares and prices at which these transactions were effected upon request to the SEC staff, the Issuer, or a security holder of the Issuer.
3. This transaction was executed in multiple trades at prices ranging from \$4.75 to \$4.70; the price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide full information regarding the number of shares and prices at which these transactions were effected upon request to the SEC staff, the Issuer, or a security holder of the Issuer.
4. This transaction was executed in multiple trades at prices ranging from \$4.75 to \$4.70; the price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide full information regarding the number of shares and prices at which these transactions were effected upon request to the SEC staff, the Issuer, or a security holder of the Issuer.
5. This transaction was executed in multiple trades at prices ranging from \$4.70 to \$4.65; the price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide full information regarding the number of shares and prices at which these transactions were effected upon request to the SEC staff, the Issuer, or a security holder of the Issuer.
6. This transaction was executed in multiple trades at prices ranging from \$4.65 to \$4.55; the price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide full information regarding the number of shares and prices at which these transactions were effected upon request to the SEC staff, the Issuer, or a security holder of the Issuer.
7. This transaction was executed in multiple trades at prices ranging from \$4.47 to \$4.70; the price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide full information regarding the number of shares and prices at which these transactions were effected upon request to the SEC staff, the Issuer, or a security holder of the Issuer.
8. This transaction was executed in multiple trades at prices ranging from \$4.50 to \$4.52; the price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide full information regarding the number of shares and prices at which these transactions were effected upon request to the SEC staff, the Issuer, or a security holder of the Issuer.
9. This transaction was executed in multiple trades at prices ranging from \$4.57 to \$4.71; the price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide full information regarding the number of shares and prices at which these transactions were effected upon request to the SEC staff, the Issuer, or a security holder of the Issuer.

[/s/ Peter Kolchinsky, Manager
of RA Capital Management, L.P.](#) [11/06/2020](#)

[/s/ Peter Kolchinsky, Manager
of RA Capital Healthcare GP,
LLC, the General Partner of
RA Capital Healthcare Fund,
L.P.](#) [11/06/2020](#)

[/s/ Peter Kolchinsky](#) [11/06/2020](#)

[/s/ Rajeev Shah](#) [11/06/2020](#)

** Signature of Reporting Person Date

* If the form is filed by more than one reporting person, see Instruction 4 (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.

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