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

**FORM S-8
REGISTRATION STATEMENT**
*Under
The Securities Act of 1933*

ORCHARD THERAPEUTICS PLC
(Exact name of registrant as specified in its charter)

England and Wales
(State or other jurisdiction of
incorporation or organization)

Not applicable
(I.R.S. Employer
Identification Number)

**108 Cannon Street
London EC4N 6EU
United Kingdom**
(Address of Principal Executive Offices)

Not applicable
(Zip Code)

**Orchard Therapeutics plc 2018 Share Option and Incentive Plan
Orchard Therapeutics plc 2020 Inducement Equity Plan**
(Full Title of the Plans)

**Cogency Global Inc.
122 East 42nd Street, 18th Floor
New York, NY 10168**
(Name and address of agent for service)

+1 212 947 7200
(Telephone number, including area code, of agent for service)

Copies to:

**Michael H. Bison
Benjamin Marsh
Goodwin Procter LLP
100 Northern Avenue
Boston, MA 02210
+1 617 570 1000**

**Andrew Harrow
Goodwin Procter (UK) LLP
100 Cheapside
London EC2V 6DY
United Kingdom
+44 20 7447 4200**

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

(Do not check if a smaller reporting company)

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

CALCULATION OF REGISTRATION FEE

Title of Securities to be Registered ⁽¹⁾	Amount to be Registered ⁽²⁾	Proposed Maximum Offering Price per Share ⁽⁵⁾	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Ordinary shares, nominal value £0.10 per share				
— reserved for issuance pursuant to Registrant’s 2018 Share Option and Incentive Plan	4,846,186 shares ⁽³⁾	\$4.91	\$23,794,773.26	\$3,088.56
— reserved for issuance pursuant to Registrant’s 2020 Inducement Equity Plan	1,000,000 shares ⁽⁴⁾	\$4.91	\$4,910,000	\$637.32
Total	5,846,186 shares		\$28,704,773.26	\$3,725.88

- (1) These shares may be represented by the American Depositary Shares (“ADSs”) of Orchard Therapeutics plc (the “Registrant”). Each ADS represents one ordinary share. ADSs issuable upon deposit of the ordinary shares registered hereby were registered pursuant to a separate Registration Statement on Form F-6 (File No. 333-227905).
- (2) Pursuant to Rule 416 under the Securities Act of 1933, as amended (the “Securities Act”), this Registration Statement shall also cover any additional ordinary shares of the Registrant which become issuable under the above-named plans by reason of any share dividend, share split, recapitalization or any other similar transaction effected without the receipt of consideration which results in an increase in the number of the Registrant’s outstanding ordinary shares.
- (3) Represents an automatic increase on January 1, 2020 to the number of shares available for issuance under the Registrant’s 2018 Share Option and Incentive Plan (the “2018 Plan”), pursuant to the terms of the 2018 Plan. Shares available for issuance under the 2018 Plan were previously registered on Form S-8 filed with the Securities and Exchange Commission on October 31, 2018 (File No. 333-228067) and March 22, 2019 (File No. 333-230432).
- (4) Represents the number of ordinary shares available for future issuance under the Registrant’s 2020 Inducement Equity Plan (the “2020 Inducement Plan”).
- (5) The price of \$4.91 per share, which is the average of the high and low sale prices of the ADSs of the Registrant as quoted on The Nasdaq Global Select Market on July 30, 2020, is set forth solely for purposes of calculating the registration fee pursuant to Rules 457(c) and (h) of the Securities Act, and has been used as these shares are without a fixed price.

EXPLANATORY NOTE

This Registration Statement on Form S-8 registers (i) additional ordinary shares under the Registrant's 2018 Plan and (ii) 1,000,000 ordinary shares reserved and available for future issuance under the Registrant's 2020 Inducement Plan. The additional shares relating to the 2018 Plan are of the same class as other securities for which registration statements filed on Form S-8 (Registration Nos. 333-228067 and 333-230432) of the Registrant are effective.

The number of ordinary shares reserved and available for issuance under the 2018 Plan is subject to an automatic annual increase on each January 1, beginning in 2019, by an amount equal to the lesser of (i) 5.0% of the number of ordinary shares and/or ADSs issued and outstanding on the immediately preceding December 31 and (ii) such amount as determined by the Administrator (as defined in the 2018 Plan), currently the Compensation Committee of the Registrant's Board of Directors. Accordingly, on January 1, 2020, the number of ordinary shares reserved and available for issuance under the Plan increased by 4,846,186 shares.

Part I

INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

Item 1. Plan Information.

The documents containing the information specified in this Item 1 will be sent or given to participants as specified by Rule 428(b)(1) under the Securities Act. In accordance with the rules and regulations of the Securities and Exchange Commission (the "Commission") and the instructions to Form S-8, such documents are not being filed with the Commission either as part of this Registration Statement or as prospectuses or prospectus supplements pursuant to Rule 424 under the Securities Act.

Item 2. Registrant Information and Employee Plan Annual Information.

The documents containing the information specified in this Item 2 will be sent or given to participants as specified by Rule 428(b)(1) under the Securities Act. In accordance with the rules and regulations of the Commission and the instructions to Form S-8, such documents are not being filed with the Commission either as part of this Registration Statement or as prospectuses or prospectus supplements pursuant to Rule 424 under the Securities Act.

Part II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference.

The Registrant hereby incorporates by reference into this Registration Statement the following documents filed with the Commission:

- (a) The Registrant's Annual Report on [Form 10-K](#) filed on February 27, 2020;
- (b) The Registrant's Quarterly Reports on Form 10-Q filed on [May 7, 2020](#) and [August 6, 2020](#);
- (c) The Registrant's Current Reports on Form 8-K filed on [January 13, 2020](#) (containing items 8.01 and 9.01); [January 29, 2020](#) (containing items 8.01 and 9.01); [February 3, 2020](#) (containing item 5.02); [March 20, 2020](#) (containing items 5.02 and 9.01); [April 27, 2020](#) (containing items 8.01 and 9.01); [May 15, 2020](#) (containing items 8.01 and 9.01); [June 19, 2020](#) (containing items 5.03, 5.07 and 9.01); [July 9, 2020](#) (containing items 1.01, 8.01 and 9.01); [July 15, 2020](#) (containing items 8.01 and 9.01); [July 20, 2020](#) (containing items 8.01 and 9.01); and
- (d) The description of the registrant's Ordinary Shares and American Depositary Shares contained in the registrant's Registration Statement on [Form 8-A](#) (File No. 001-38722), filed by the registrant with the Commission under Section 12(b) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), on October 29, 2018, including any amendments or reports filed for the purpose of updating such description.

All documents that the Registrant subsequently files pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act prior to the filing of a post-effective amendment to this registration statement which indicates that all of the shares offered have been sold or which deregisters all of such shares then remaining unsold, shall be deemed to be incorporated by reference in this registration statement and to be a part hereof from the date of the filing of such documents.

Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded to the extent that a statement contained herein or in any other subsequently filed document which also is or is deemed to be incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this registration statement.

Under no circumstances will any information filed under current items 2.02 or 7.01 of Form 8-K be deemed incorporated herein by reference unless such Form 8-K expressly provides to the contrary.

Item 4. Description of Securities.

Not applicable.

Item 5. Interests of Named Experts and Counsel.

Not applicable.

Item 6. Indemnification of Directors and Officers.

Subject to the U.K. Companies Act 2006, members of the Registrant's board of directors and its officers have the benefit of the following indemnification provisions in the registrant's Articles of Association:

Current and former members of the Registrant's board of directors or officers shall be reimbursed for:

- (i) all costs, charges, losses, expenses and liabilities sustained or incurred in relation to his or her actual or purported execution of his or her duties in relation to the Registrant, including any liability incurred in defending any criminal or civil proceedings; and
- (ii) expenses incurred or to be incurred in defending any criminal or civil proceedings, in an investigation by a regulatory authority or against a proposed action to be taken by a regulatory authority, or in connection with any application for relief under the statutes of the United Kingdom and any other statutes that concern and affect the Registrant as a company (collectively, the "Statutes") arising in relation to the Registrant or an associated company, by virtue of the actual or purported execution of the duties of his or her office or the exercise of his or her powers.

In the case of current or former members of the Registrant's board of directors, there shall be no entitlement to reimbursement as referred to above for (i) any liability incurred to the Registrant or any associated company, (ii) the payment of a fine imposed in any criminal proceeding or a penalty imposed by a regulatory authority for non-compliance with any requirement of a regulatory nature, (iii) the defense of any criminal proceeding if the member of the Registrant's board of directors is convicted, (iv) the defense of any civil proceeding brought by the Registrant or an associated company in which judgment is given against the director, and (v) any application for relief under the statutes of the United Kingdom and any other statutes that concern and affect the Registrant as a company in which the court refuses to grant relief to the director.

In addition, members of the Registrant's board of directors and its officers who have received payment from the Registrant under these indemnification provisions must repay the amount they received in accordance with the Statutes or in any other circumstances that the Registrant may prescribe or where the Registrant has reserved the right to require repayment.

In addition, the Registrant has entered or intends to enter into a deed of indemnity with each of its directors and officers. In addition to such indemnification, the Registrant provides its directors and officers with directors' and officers' liability insurance.

Item 7. Exemption from Registration Claimed.

Not applicable.

Item 8. Exhibits.

See the Exhibit Index for a list of exhibits filed as part of this Registration Statement, which Exhibit Index is incorporated herein by reference.

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description</u>
4.1(1)	Articles of Association of Orchard Therapeutics plc
4.2(2)	Deposit Agreement
4.3(2)	Form of American Depositary Receipt (included in exhibit 4.2)
5.1*	Opinion of Goodwin Procter (UK) LLP
23.1*	Consent of Goodwin Procter (UK) LLP (included in Exhibit 5.1)
23.2*	Consent of PricewaterhouseCoopers LLP, a Delaware limited liability partnership
23.3*	Consent of PricewaterhouseCoopers LLP, a United Kingdom entity
24.1*	Power of Attorney (included on signature page)
99.1(3)	2018 Share Option and Incentive Plan
99.1(4)	Forms of award agreements under the 2018 Share Option and Incentive Plan
99.2*	2020 Inducement Equity Plan and forms of award agreements thereunder

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- (1) Filed as Exhibit 3.1 to Registrant's Current Report on Form 8-K (File No. 001-38722), filed with the Securities and Exchange Commission on June 19, 2020, and incorporated herein by reference.
- (2) Filed as Exhibits 2.1 and 2.2 to Registrant's Annual Report on Form 20-F (File No. 001-38722), filed with the Securities and Exchange Commission on March 22, 2019, and incorporated herein by reference.
- (3) Filed as Exhibit 4.3 to Registrant's Annual Report on Form 20-F (File No. 001-38722), filed with the Securities and Exchange Commission on March 21, 2019, and incorporated herein by reference.
- (4) Filed as Exhibit 10.13 to Registrant's Annual Report on Form 10-K (File No. 001-38722), filed with the Securities and Exchange Commission on February 27, 2020, and incorporated herein by reference.
- * Filed herewith.

Item 9. Undertakings.

(a) The Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act.

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement.

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement.

Provided, however, that paragraphs (a)(1)(i) and (a)(1)(ii) herein do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or Section 15(d) of the Exchange Act (15 U.S.C. 78m or 78o(d)) that are incorporated by reference in the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(b) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(h) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of London, United Kingdom, on the 6th day of August, 2020.

ORCHARD THERAPEUTICS PLC

By: /s/ Bobby Gaspar
Bobby Gaspar
Chief Executive Officer

POWER OF ATTORNEY AND SIGNATURES

KNOW ALL BY THESE PRESENT, that each individual whose signature appears below hereby constitutes and appoints each of Bobby Gaspar and Frank E. Thomas as such person's true and lawful attorney-in-fact and agent with full power of substitution and resubstitution, for such person in such person's name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this Registration Statement on Form S-8, and to file the same, with all exhibits thereto, and all documents in connection therewith, with the Securities and Exchange Commission granting unto each said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as such person might or could do in person, hereby ratifying and confirming all that any said attorney-in-fact and agent, or any substitute or substitutes of any of them, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following person in the capacities and on the date indicated.

Name	Title	Date
<u>/s/ Bobby Gaspar</u> Bobby Gaspar, M.D., Ph.D.	<i>Chief Executive Officer and Director</i> <i>(Principal Executive Officer)</i>	August 6, 2020
<u>/s/ Frank E. Thomas</u> Frank E. Thomas	<i>President and Chief Operating Officer</i> <i>(Principal Financial Officer and</i> <i>Principal Accounting Officer)</i>	August 6, 2020
<u>/s/ James A. Geraghty</u> James A. Geraghty	<i>Chairman of the Board of Directors</i>	August 6, 2020
<u>/s/ Steven M. Altschuler</u> Steven M. Altschuler, M.D.	<i>Director</i>	August 6, 2020
<u>/s/ Joanne T. Beck</u> Joanne T. Beck, Ph.D.	<i>Director</i>	August 6, 2020
<u>/s/ John Curnutte</u> John Curnutte, M.D., Ph.D.	<i>Director</i>	August 6, 2020

/s/ Marc Dunoyer
Marc Dunoyer

Director

August 6, 2020

/s/ Jon Ellis
Jon Ellis, Ph.D.

Director

August 6, 2020

/s/ Charles A. Rowland, Jr.
Charles A. Rowland, Jr.

Director

August 6, 2020

/s/ Alicia Secor
Alicia Secor

Director

August 6, 2020

Cogency Global Inc.

By: /s/ Colleen A. De Vries
Name: Colleen A. De Vries
Title: Senior Vice President

Authorized Representative in the United States

August 6, 2020



Goodwin Procter (UK) LLP
100 Cheapside
London EC2V 6DY

goodwinlaw.com
+44 (0) 20 7447 4200

6 August 2020

Orchard Therapeutics plc
108 Cannon Street
London, EC4N 6EU

Ladies and Gentlemen:

Orchard Therapeutics plc – Registration Statement on Form S-8 – Exhibit 5.1

We have acted as English legal advisers to Orchard Therapeutics plc, a public limited company incorporated in England and Wales (the “**Company**”) in connection with the preparation and filing of the registration statement on Form S-8 to which this letter is attached as an exhibit (such registration statement, including the documents incorporated by reference therein, the “**Registration Statement**”) filed with the U.S. Securities and Exchange Commission (the “**SEC**”) pursuant to the U.S. Securities Act of 1933, as amended (the “**Securities Act**”). For the purposes of this letter, the ordinary shares in the capital of the Company each having a nominal value of £0.10 are referred to as “**Ordinary Shares**”.

As set out in the Registration Statement, it is proposed that an aggregate of up to 5,846,186 Ordinary Shares (the “**Shares**”) will be allotted and issued upon the exercise or settlement of equity awards granted under (i) the Orchard Therapeutics plc 2018 Share Option and Incentive Plan, adopted by the Company’s board of directors (the “**Board**”) on 25 September 2018 and approved by the Company’s shareholders on 25 October 2018 (the “**2018 Share Option and Incentive Plan**”) and (ii) the Orchard Therapeutics plc 2020 Inducement Equity Plan adopted by the Board on 29 June 2020 (the “**2020 Inducement Plan**”) and collectively with the 2018 Share Option and Incentive Plan, the “**Plans**” and each, a “**Plan**”).

We understand that the existing issued Ordinary Shares are not, and are not intended to be, admitted to trading on any market or exchange, or otherwise listed, in the United Kingdom.

1. INTRODUCTION

1.1 Purpose

In connection with the preparation and filing of a registration statement on Form S-8, we have been asked to provide opinions on certain matters, as set out below. We have taken instruction in this regard solely from the Company.

1.2 Defined terms and headings

In this letter:

- (a) capitalised terms used without definition in this letter or the schedules hereto have the meanings assigned to them in the Registration Statement unless a contrary indication appears; and

Goodwin Procter (UK) LLP is a limited liability partnership registered in England and Wales with registered number OC362294. Its registered office is at 100 Cheapside, London, EC2V 6DY. A list of the names of the members of Goodwin Procter (UK) LLP is available for inspection at the registered office. Goodwin Procter (UK) LLP is authorised and regulated by the Solicitors Regulation Authority. Goodwin Procter (UK) LLP is affiliated with Goodwin Procter LLP, which operates in the United States of America.

- (b) headings are for ease of reference only and shall not affect interpretation.

1.3 Legal review

For the purpose of issuing this letter, we have examined such questions of law as we have considered appropriate to give the opinions set forth in this letter. We have reviewed such documents and conducted such enquiries and searches as we have considered appropriate to give the opinions set forth in this letter, including the following documents and the following enquiries and searches:

- (a) an online search at Companies House in respect of information available for inspection on the Company's file conducted on 6 August 2020 at 10.30 a.m. (London time);
- (b) an enquiry of the Central Index of Winding Up Petitions, London on 6 August 2020 at 10.30 a.m. (London time) ((a) and (b) together, the "Searches");
- (c) a certificate dated 6 August 2020 signed by the President and Chief Operating Officer of the Company (the "**Certificate**") relating to certain factual matters as at the date of the Certificate and having annexed thereto copies (certified by the President and Chief Operating Officer of the Company as being true, complete, accurate and up-to-date in each case) of the following documents:
- a. a PDF copy of the minutes of the meeting of the Board held on 25 September 2018 at which it was resolved, *inter alia*, to approve the 2018 Share Option and Incentive Plan;
 - b. a PDF executed copy of the written resolutions passed by the shareholders of the Company on 25 October 2018 approving, *inter alia*, the 2018 Share Option and Incentive Plan;
 - c. a PDF executed copy of the written resolutions of the Board passed on 29 June 2020 pursuant to which it was resolved, *inter alia*, to approve the 2020 Inducement Plan;
 - d. a PDF executed copy of the resolutions passed by the shareholders of the Company at the general meeting of the Company held on 17 June 2020 at which it was resolved, *inter alia*, to grant authorities to the Board for the purposes of sections 551 and 570 of the Companies Act 2006, as amended to allot Ordinary Shares or grant rights to subscribe for Ordinary Shares;
 - e. a PDF copy of the current articles of association of the Company adopted on 17 June 2020 (the "**Articles**"); and
 - f. PDF copies of (a) the certificate of incorporation of the Company dated 1 August 2018 and (b) the certificate of incorporation on re-registration of the Company as a public limited company dated 29 October 2018,
- (d) a PDF copy of each Plan;

- (e) a draft copy of the Registration Statement as at 6 August 2020 and to be filed with the SEC on 6 August 2020.

1.4 **Applicable law**

This letter, the opinions given in it, and any non-contractual obligations arising out of or in connection with this letter and/or the opinions given in it, are governed by, and to be construed in accordance with, English law and relate only to English law as applied by the English courts, including the laws of the European Union to the extent having the force of law in England, as at today's date. In particular:

- (a) we have not investigated the laws of any country other than England and we assume that no foreign law affects any of the opinions stated below;
- (b) we do not undertake or accept any obligation to update this letter and/or the opinions given in it to reflect subsequent changes in English law or factual matters; and
- (c) we express no opinion in this letter on the laws of any jurisdiction other than England. It is assumed that no foreign law which may apply to the matters contemplated by the Registration Statement, the Company, any document or any other matter contemplated by any document would or might affect this letter and/or the opinions given in it.

1.5 **Assumptions and reservations**

The opinions given in this letter are given on the basis of each of the assumptions set out in schedule 1 (*Assumptions*) to this letter and are subject to each of the reservations set out in schedule 2 (*Reservations*) to this letter. The opinions given in this letter are strictly limited to the matters stated in paragraph 2 (*Opinions*) below and do not extend, and should not be read as extending, by implication or otherwise, to any other matters.

2. **OPINION**

Subject to paragraph 1 (*Introduction*) and the other matters set out in this letter and its schedules, and subject further to the following:

- (a) the Registration Statement, as finally amended, having become effective under the Securities Act;
- (b) the shareholders of the Company having resolved: (i) as may be required, as an ordinary resolution, or within the Company's articles of association, to authorise the Board pursuant to section 551 of the Companies Act 2006 (the "**Companies Act**") to allot Shares, or to grant rights to subscribe for Shares, pursuant to the Plans; and (ii) as may be required, as a special resolution, or within the Company's articles of association, to empower the directors of the Company pursuant to section 570 of the Companies Act to allot such Shares, and grant such rights (as applicable), free of the restrictions in section 561 of the Companies Act, and such resolutions and authorities remaining in full force and effect and not having expired, been rescinded or amended;

- (c) the delegation of authority to the compensation committee of the Board (the “**Compensation Committee**”) having been validly effected (*inter alia*, in accordance with the Articles, the Companies Act and the Plans);
- (d) the Board and the shareholders of the Company having validly approved the Plans;
- (e) the Board or the Compensation Committee having validly granted the awards in respect of the Shares under the Plans;
- (f) the receipt in full of payment for the Shares in an amount of “cash consideration” (as defined in section 583(3) of the Companies Act) of not less than the aggregate nominal value for such Shares, assuming in each case that the individual grants or awards under the relevant Plan are duly authorised by all necessary corporate action (as described in (e) above) and duly granted or awarded and exercised in accordance with the requirements of law, the Company’s articles of association and the relevant Plan (and the agreements and awards duly adopted thereunder and in accordance therewith); and
- (g) valid entries having been made in relation to the allotment and issue of the Shares in the books and registers of the Company,

it is our opinion that, as at today’s date, the Shares, if and when allotted and issued, registered in the name of the recipient in the register of members of the Company and delivered in accordance with the terms and conditions referred to in the Plans and as described in the Registration Statement, will be duly and validly authorised and issued, fully paid (subject to the receipt of valid consideration by the Company for the issue thereof) or credited as fully paid and will not be subject to any call for payment of further capital.

3. EXTENT OF OPINIONS

We express no opinion as to any agreement, instrument or other document other than as specified in this letter or as to any liability to tax or duty which may arise or be suffered as a result of or in connection with the transactions contemplated by the Plans.

This letter only applies to those facts and circumstances which exist as at today’s date and we assume no obligation or responsibility to update or supplement this letter to reflect any facts or circumstances which may subsequently come to our attention, any changes in laws which may occur after today, or to inform the addressee of any change in circumstances happening after the date of this letter which would alter our opinion.

4. DISCLOSURE AND RELIANCE

This letter is addressed to you in connection with the Registration Statement. We consent to the filing of this letter as an exhibit to the Registration Statement. In giving such consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations thereunder.

Other than for the purpose set out in the prior paragraph, this letter may not be relied upon, or assigned, for any purpose, without our prior written consent, which may be granted or withheld in our discretion.

Orchard Therapeutics plc
6 August 2020
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Yours faithfully

/s/ Goodwin Procter (UK) LLP

Goodwin Procter (UK) LLP

SCHEDULE 1

ASSUMPTIONS

The opinions in this letter have been given on the basis of the following assumptions:

- (a) the genuineness of all signatures, stamps and seals on all documents, the authenticity and completeness of all documents submitted to us as originals, and the conformity to original documents of all documents submitted to us as copies;
- (b) that, where a document has been examined by us in draft or specimen form, it will be or has been duly executed in the form of that draft or specimen, and that each of the signed documents examined by us has been duly executed and, where applicable, delivered on behalf of the Company;
- (c) that the Articles remain in full force and effect, and no alteration has been made or will be made to such articles of association, in each case prior to the relevant date of allotment and issue of the Shares (the “**Allotment Date**”);
- (d) on the relevant Allotment Date the Company will comply with all applicable laws to allot and issue the Shares and the Company will receive such amounts as are necessary to fully pay the nominal value of the Shares and any applicable share premium;
- (e) that the Plans remain in full force and effect and no alteration has been made or will be made to the Plans prior to an Allotment Date;
- (f) that the contents of the Certificate were true and not misleading when given and remain true and not misleading as at the date of this letter and there is no fact or matter not referred to in the Certificate which could make any of the information in the Certificate inaccurate or misleading;
- (g) that all documents, forms and notices which should have been delivered to the Registrar of Companies in respect of the Company have been so delivered, that information revealed by the Searches was complete and accurate in all respects and has not, since the time of the Searches, been altered and that the results of the Searches will remain complete and accurate as at the relevant Allotment Date;
- (h) that (i) the resolutions described in the written resolutions of the Board provided to us in connection with the giving of this opinion or otherwise contemplated in connection with the matters referred to herein were and/or will be duly passed as written resolutions of the Board, all constitutional, statutory and other formalities were and/or will be observed and such resolutions have not been, and will not be, revoked or varied and remain in full force and effect and will remain so at each Allotment Date; and (ii) the proceedings and resolutions described in the minutes of the meetings of the Board provided to us in connection with the giving of this opinion or otherwise contemplated in connection with the matters referred to herein were and/or will be duly conducted as so described, and that each of the meetings referred to therein was and/or will be duly constituted, convened and conducted and all constitutional, statutory and other formalities were and/or will be duly observed (including, if

applicable, those relating to the declaration of directors' interests or the power of interested directors to vote), a quorum was and/or will be present throughout, the requisite majority of directors voted and/or will vote in favour of approving the resolutions and the resolutions passed thereat were and/or will be duly adopted, have not been and will not be revoked or varied and remain in full force and effect and will remain so as at each Allotment Date;

- (i) that the resolutions of the shareholders of the Company provided to us in connection with the giving of this opinion and as referred to at paragraphs 1.3(c)(b) and 1.3(c)(d) of this letter or otherwise contemplated in connection with the matters referred to herein were and/or will be duly passed, all constitutional, statutory and other formalities were and/or will be observed in relation to such resolutions and such resolutions have not been and/or will not be revoked or varied and will not be revoked or varied prior to each Allotment Date and remain in full force and effect and will remain in full force and effect as at each Allotment Date;
- (j) that at the time of each allotment and issue of any Shares the Company shall have received in full "cash consideration" (as such term is defined in section 583(3) of the Companies Act) equal to the subscription price payable for such Shares and shall have entered the holder or holders thereof in the register of members of the Company showing that all such Shares shall have been fully paid up as to their nominal value and any premium thereon as at each Allotment Date;
- (k) that in relation to the allotment and issue of the Shares, the directors of the Company have acted and will act in the manner required by section 172 of the Companies Act (Duty to promote the success of the Company), and there has not been and will not be any bad faith, breach of trust, fraud, coercion, duress or undue influence on the part of any of the directors of the Company;
- (l) in relation to any allotment and issue of any Shares by the Company pursuant to the Plans, that the recipient will have become entitled to such Shares under the terms of the relevant Plan such Shares or rights over Shares will, where applicable, be fully vested each in accordance with the terms of the relevant Plan and such recipient has or will have complied with all other requirements of the relevant Plan in connection with the allotment and issue of such Shares;
- (m) that all awards have been made under the terms of the relevant Plan, that the terms of all awards have not materially deviated from the terms set out in the relevant Plan and that any Shares will be allotted and issued in accordance with the terms set out in the relevant Plan and in accordance with the Articles;
- (n) that the Plans have been validly adopted and no alteration has been or shall be made to the Plans since the date of their respective adoption except to the extent expressly set out in this letter;
- (o) that immediately prior to each Allotment Date, the directors of the Company and/or the Compensation Committee had or shall have sufficient authority and powers conferred upon them to allot and issue such Shares and grant such rights (as applicable) under section 551 of the Companies Act and under section 570 of the Companies Act as if section 561 of the Companies Act did not apply to such allotment and issue or grant, and the directors of the Company and/or the Compensation Committee shall not allot or issue (or purport to allot or issue) Shares and shall not grant rights (or purport to grant rights) to acquire Shares in excess of such powers or in breach of any other limitation on their power to allot and issue Shares or grant rights to acquire Shares;

- (p) that in relation to the allotment and issuance of Shares pursuant to the Plans or otherwise to an employee benefit trust, that such Shares will be allotted and issued in accordance with the terms of the relevant Plan, the Articles and the requirements of all applicable laws;
- (q) that no Shares shall be allotted or issued, or are or shall be committed to be allotted or issued, at a discount to their nominal value (whether in dollars or equivalent in any other currency);
- (r) that no Shares or rights to subscribe for Shares have been or shall be offered to the public in the United Kingdom in breach of the Financial Services and Markets Act 2000 (“**FSMA**”) or of any other United Kingdom laws or regulations concerning offers of securities to the public, and no communication has been or shall be made in relation to the Shares in breach of section 21 of the FSMA or any other United Kingdom laws or regulations relating to offers or invitations to subscribe for, or to acquire rights to subscribe for or otherwise acquire, shares or other securities;
- (s) that in issuing and allotting and granting rights to acquire Shares and administering the Plans, the Company is not carrying on a regulated activity for the purposes of section 19 of FSMA; and
- (t) that the Company has not taken any corporate or other action nor have any steps been taken or legal proceedings been started against the Company for the liquidation, winding up, dissolution, reorganisation or bankruptcy of, or for the appointment of a liquidator, receiver, trustee, administrator, administrative receiver or similar officer of, the Company or all or any of its assets (or any analogous proceedings in any jurisdiction) and the Company is not unable to pay its debts as they fall due within the meaning of section 123 of the Insolvency Act 1986 and will not become unable to pay its debts within the meaning of that section as a result of any of the transactions contemplated herein, is not insolvent and has not been dissolved or declared bankrupt (although the Searches gave no indication that any winding-up, dissolution or administration order or appointment of a receiver, administrator, administrative receiver or similar officer has been made with respect to the Company).

SCHEDULE 2**RESERVATIONS**

The opinions in this letter are subject to the following reservations:

- (a) the Searches are not capable of revealing conclusively whether or not a winding-up or administration petition or order has been presented or made, a receiver appointed, a company voluntary arrangement proposed or approved or any other insolvency proceeding commenced, and the available records may not be complete or up-to-date. In particular, the Central Registry of Winding-Up Petitions in England may not contain details of administration applications filed, or appointments recorded in or orders made by, district registries and county courts outside London. Searches at Companies House and at the Central Registry of Winding Up Petitions in England are not capable of revealing whether or not a winding up petition or a petition for the making of an administration order has been presented and, further, notice of a winding up order or resolution, notice of an administration order and notice of the appointment of a receiver may not be filed at Companies House immediately and there may be a delay in the relevant notice appearing on the file of the company concerned. Further, not all security interests are registrable, such security interests have not in fact been registered or such security interests have been created by an individual or an entity which is not registered in England. We have not made enquiries of any District Registry or County Court in England;
- (b) the opinions set out in this letter are subject to: (i) any limitations arising from applicable laws relating to insolvency, bankruptcy, administration, reorganisation, liquidation, moratoria, schemes or analogous circumstances; and (ii) an English court exercising its discretion under section 426 of the Insolvency Act 1986 (co-operation between courts exercising jurisdiction in relation to insolvency) to assist the courts having the corresponding jurisdiction in any part of the United Kingdom or any relevant country or territory;
- (c) we express no opinion as to matters of fact;
- (d) save for the matters set out in the Certificate, we have made no enquiries of any individual connected with the Company and have relied entirely on the facts, statements and confirmations contained in the Certificate and we have not undertaken any independent investigation or verification of the matters referred to in the Certificate;
- (e) we express no opinion on the compliance of the Plans, or the compliance of any award made under the Plans, with the rules or regulations of the NASDAQ Stock Market LLC or the rules or regulations of any other securities exchange that are applicable to the Company;
- (f) we express no opinion in relation to the legality, enforceability or validity of the Plans or any award agreement entered into pursuant to such Plans. In particular, but without prejudice to the generality of the foregoing, we have assumed that the Shares to be allotted under the Plans or any such award agreement will be paid up in full (as to their nominal value and any premium) in cash (within the meaning of section 583(1) of the Companies Act) and we express no opinion as to whether any consideration other than “cash consideration” (as such term is defined in section 583(3) of the Companies Act) which might be paid, or purport to be paid, for the Shares would result in such Shares being validly issued, fully paid and not subject to any call for payment of further capital;

- (g) a certificate, documentation, notification, opinion or the like might be held by the English courts not to be conclusive if it can be shown to have an unreasonable or arbitrary basis or in the event of a manifest error; and
- (h) it should be understood that we have not been responsible for investigating or verifying the accuracy of the facts, including statements of foreign law, or the reasonableness of any statements of opinion, contained in the Registration Statement, or that no material facts have been omitted from it.

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in this Registration Statement on Form S-8 of Orchard Therapeutics plc of our report dated February 27, 2020 relating to the financial statements and the effectiveness of internal control over financial reporting, which appears in Orchard Therapeutics Annual Report on Form 10-K for the year ended December 31, 2019.

/s/ PricewaterhouseCoopers LLP

Boston, Massachusetts
August 6, 2020

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statement on Form S-8 of Orchard Therapeutics plc of our report dated March 22, 2019 relating to the financial statements, which appears in Orchard Therapeutics plc's Annual Report on Form 10-K for the year ended December 31, 2019.

/s/ PricewaterhouseCoopers LLP
Reading, United Kingdom
August 6, 2020

ORCHARD THERAPEUTICS PLC

2020 INDUCEMENT EQUITY PLAN

SECTION 1. GENERAL PURPOSE OF THE PLAN; DEFINITIONS

The name of the plan is the Orchard Therapeutics plc 2020 Inducement Equity Plan (the “*Plan*”). The purpose of the Plan is to enable Orchard Therapeutics plc (the “*Company*”) and its Affiliates to grant equity awards to induce highly-qualified prospective officers and employees who are not currently employed by the Company or its Affiliates to accept employment and to provide them with a proprietary interest in the Company. It is anticipated that providing such persons with a direct stake in the Company’s welfare will assure a closer identification of their interests with those of the Company and its shareholders, thereby stimulating their efforts on the Company’s behalf and strengthening their desire to remain with the Company. The Company intends that the Plan be reserved for persons to whom the Company may issue securities without shareholder approval as an inducement pursuant to Rule 5635(c)(4) of the Marketplace Rules of The Nasdaq Stock Market, Inc.

The following terms shall be defined as set forth below:

“*Administrator*” means either the Board or the remuneration committee of the Board or a similar committee performing the functions of the remuneration committee and which is comprised of not less than two Non-Employee Directors who are independent.

“*ADSs*” means American Depositary Shares, representing Ordinary Shares on deposit with a U.S. banking institution selected by the Company.

“*Affiliate*” means, at the time of determination, any “parent” or “subsidiary” of the Company as such terms are defined in Rule 405 of the U.S. Securities Act. The Board will have the authority to determine the time or times at which “parent” or “subsidiary” status is determined within the foregoing definition.

“*Award*” or “*Awards*,” except where referring to a particular category of grant under the Plan, shall include Non-Qualified Share Options, Share Appreciation Rights, Restricted Share Units, Restricted Share Awards, Unrestricted Share Awards, and Dividend Equivalent Rights.

“*Award Certificate*” means a written or electronic document setting forth the terms and provisions applicable to an Award granted under the Plan. Each Award Certificate is subject to the terms and conditions of the Plan.

“*Board*” means the Board of Directors of the Company.

“*Dividend Equivalent Right*” means an Award entitling the grantee to receive credits based on cash dividends that would have been paid on the Shares specified in the Dividend Equivalent Right (or other award to which it relates) if such shares had been issued to and held by the grantee.

“*Effective Date*” means the date on which the Plan is approved by the Board as set forth in Section 18.

“*Fair Market Value*” of the Shares on any given date means the fair market value of the Shares determined in good faith by the Administrator; provided, however, that if the ADSs are listed on the National Association of Securities Dealers Automated Quotation System (“**Nasdaq**”), The Nasdaq Global Market, The New York Share Exchange or another national securities exchange or traded on any established market, the determination shall be made by reference to market quotations. If there are no market quotations for such date, the determination shall be made by reference to the last date preceding such date for which there are market quotations.

“*Non-Qualified Share Option*” means any Share Option that is not an incentive share option.

“*Option*” or “*Share Option*” means any option to purchase Shares granted pursuant to Section 5.

“*Ordinary Shares*” mean ordinary shares in the Company, with a nominal value of £0.10 per share, subject to adjustments pursuant to Section 3.

“*Restricted Shares*” means the Shares underlying a Restricted Share Award that remain subject to a risk of forfeiture or the Company’s right of repurchase.

“*Restricted Share Award*” means an Award of Restricted Shares subject to such restrictions and conditions as the Administrator may determine at the time of grant.

“*Restricted Share Units*” means an Award of Share units subject to such restrictions and conditions as the Administrator may determine at the time of grant.

“*Sale Event*” shall mean (i) the sale of all or substantially all of the assets of the Company on a consolidated basis to an unrelated person or entity, (ii) a merger, reorganization or consolidation pursuant to which the holders of the Company’s outstanding voting power and outstanding Share immediately prior to such transaction do not own a majority of the outstanding voting power and outstanding Share or other equity interests of the resulting or successor entity (or its ultimate parent, if applicable) immediately upon completion of such transaction, (iii) the sale of all of the Share of the Company to an unrelated person, entity or group thereof acting in concert, or (iv) any other transaction in which the owners of the Company’s outstanding voting power immediately prior to such transaction do not own at least a majority of the outstanding voting power of the Company or any successor entity immediately upon completion of the transaction other than as a result of the acquisition of securities directly from the Company.

“*Sale Price*” means the value as determined by the Administrator of the consideration payable, or otherwise to be received by shareholders, per Share pursuant to a Sale Event.

“*Section 409A*” means Section 409A of the U.S. Code and the regulations and other guidance promulgated thereunder.

“*Share*” means an Ordinary Share and/or the number of ADSs equal to an Ordinary Share, as the context may require.

“*Share Appreciation Right*” means an Award entitling the recipient to receive Shares (or cash, to the extent explicitly provided for in the applicable Award Certificate) having a value equal to the excess of the Fair Market Value of the Share on the date of exercise over the exercise price of the Share Appreciation Right multiplied by the number of Shares with respect to which the Share Appreciation Right shall have been exercised.

“*Subsidiary*” means any corporation or other entity (other than the Company) in which the Company has at least a 50 percent interest, either directly or indirectly.

“*Unrestricted Share Award*” means an Award of Shares free of any restrictions.

“*U.S. Code*” means the Internal Revenue Code of 1986, as amended, and any successor Code, and related rules, regulations and interpretations.

“*U.S. Exchange Act*” means the Securities Exchange Act of 1934, as amended, and the rules and regulations thereunder.

“*U.S. Securities Act*” means the U.S. Securities Act of 1933, as amended, and the rules and regulations thereunder.

SECTION 2. ADMINISTRATION OF PLAN; ADMINISTRATOR AUTHORITY TO SELECT GRANTEES AND DETERMINE AWARDS

(a) Administration of Plan. The Plan shall be administered by the Administrator.

(b) Powers of Administrator. The Administrator shall have the power and authority to grant Awards consistent with the terms of the Plan, including the power and authority:

(i) to select the individuals to whom Awards may from time to time be granted;

(ii) to determine the time or times of grant, and the extent, if any, of Non-Qualified Share Options, Share Appreciation Rights, Restricted Share Awards, Restricted Share Units, Unrestricted Share Awards, and Dividend Equivalent Rights, or any combination of the foregoing, granted to any one or more grantees;

(iii) to determine the number of Shares to be covered by any Award;

(iv) to determine and modify from time to time the terms and conditions, including restrictions, not inconsistent with the terms of the Plan, of any Award, which terms and conditions may differ among individual Awards and grantees, and to approve the forms of Award Certificates;

(v) to accelerate at any time the exercisability or vesting of all or any portion of any Award;

(vi) subject to the provisions of Section 5(c), to extend at any time the period in which Share Options may be exercised; and

(vii) at any time to adopt, alter and repeal such rules, guidelines and practices for administration of the Plan and for its own acts and proceedings as it shall deem advisable; to interpret the terms and provisions of the Plan and any Award (including related written instruments); to make all determinations it deems advisable for the administration of the Plan; to decide all disputes arising in connection with the Plan; and to otherwise supervise the administration of the Plan.

All decisions and interpretations of the Administrator shall be binding on all persons, including the Company and Plan grantees.

(c) Award Certificate. Awards under the Plan shall be evidenced by Award Certificates that set forth the terms, conditions and limitations for each Award which may include, without limitation, the term of an Award and the provisions applicable in the event employment or service terminates.

(d) Indemnification. Neither the Board nor the Administrator, nor any member of either or any delegate thereof, shall be liable for any act, omission, interpretation, construction or determination made in good faith in connection with the Plan, and the members of the Board and the Administrator (and any delegate thereof) shall be entitled in all cases to indemnification and reimbursement by the Company in respect of any claim, loss, damage or expense (including, without limitation, reasonable attorneys' fees) arising or resulting therefrom to the fullest extent permitted by law and/or under the Company's articles or bylaws or any directors' and officers' liability insurance coverage which may be in effect from time to time and/or any indemnification agreement between such individual and the Company.

(e) Foreign Award Recipients. Notwithstanding any provision of the Plan to the contrary, in order to comply with the laws in other countries in which the Company and its Subsidiaries operate or have employees or other individuals eligible for Awards, the Administrator, in its sole discretion, shall have the power and authority to: (i) determine which Subsidiaries shall be covered by the Plan; (ii) determine which individuals outside the United States are eligible to participate in the Plan; (iii) modify the terms and conditions of any Award granted to individuals outside the United States to comply with applicable foreign laws; (iv) establish subplans and modify exercise procedures and other terms and procedures, to the extent the Administrator determines such actions to be necessary or advisable (and such subplans and/or modifications shall be attached to this Plan as appendices); provided, however, that no such subplans and/or modifications shall increase the share limitations contained in Section 3(a) hereof; and (v) take any action, before or after an Award is made, that the Administrator determines to be necessary or advisable to obtain approval or comply with any local governmental regulatory exemptions or approvals. Notwithstanding the foregoing, the Administrator may not take any actions hereunder, and no Awards shall be granted, that would violate the U.S. Exchange Act or any other applicable United States securities law, the U.S. Code, or any other applicable United States governing statute or law.

SECTION 3. SHARES ISSUABLE UNDER THE PLAN; MERGERS; SUBSTITUTION

(a) Shares Issuable. The maximum number of Shares reserved and available for issuance under the Plan shall be 1,000,000 Shares, subject to adjustment as provided in Section 3(b). For purposes of this limitation, the Shares underlying any awards under the Plan that are forfeited, canceled, held back upon exercise of an Option or settlement of an Award to cover the exercise price or tax withholding, reacquired by the Company prior to vesting, satisfied without the issuance of Shares or otherwise terminated (other than by exercise or settlement) shall be added back to the Shares available for issuance under the Plan. In the event the Company repurchases Shares on the open market, such Shares shall not be added to the Shares available for issuance under the Plan. Subject to such overall limitations, Shares may be issued up to such maximum number pursuant to any type or types of Award. The shares available for issuance under the Plan may be authorized but unissued Shares or Shares reacquired by the Company.

(b) Changes in Shares. Subject to Section 3(c) hereof, if, as a result of any reorganization, recapitalization, reclassification, share dividend, share split, reverse share split or other similar change in the Company's capital shares, the outstanding Shares are increased or decreased or are exchanged for a different number or kind of shares or other securities of the Company, or additional shares or new or different shares or other securities of the Company or other non-cash assets are distributed with respect to such Shares or other securities, or, if, as a result of any merger or consolidation, sale of all or substantially all of the assets of the Company, the outstanding Shares are converted into or exchanged for securities of the Company or any successor entity (or a parent or subsidiary thereof), the Administrator shall make an appropriate or proportionate adjustment in (i) the maximum number of shares reserved for issuance under the Plan, (ii) the number and kind of shares or other securities subject to any then outstanding Awards under the Plan, (iii) the repurchase price, if any, per share subject to each outstanding Restricted Share Award, and (iv) the exercise price for each share subject to any then outstanding Share Options and Share Appreciation Rights under the Plan, without changing the aggregate exercise price (i.e., the exercise price multiplied by the number of Share Options and Share Appreciation Rights) as to which such Share Options and Share Appreciation Rights remain exercisable. The Administrator shall also make equitable or proportionate adjustments in the number of shares subject to outstanding Awards and the exercise price and the terms of outstanding Awards to take into consideration cash dividends paid other than in the ordinary course or any other extraordinary corporate event. The adjustment by the Administrator shall be final, binding and conclusive. No fractional Shares shall be issued under the Plan resulting from any such adjustment, but the Administrator in its discretion may make a cash payment in lieu of fractional shares.

(c) Mergers and Other Transactions. In the case of and subject to the consummation of a Sale Event, the parties thereto may cause the assumption or continuation of Awards theretofore granted by the successor entity, or the substitution of such Awards with new Awards of the successor entity or parent thereof, with appropriate adjustment as to the number and kind of shares and, if appropriate, the per share exercise prices, as such parties shall agree. To the extent the parties to such Sale Event do not provide for the assumption, continuation or substitution of Awards, upon the effective time of the Sale Event, the Plan and all outstanding Awards granted hereunder shall terminate. In such case, except as may be otherwise provided in the relevant Award Certificate, all Options and Share Appreciation Rights that are not exercisable immediately prior to the effective time of the Sale Event shall become fully exercisable as of the effective time of the Sale Event, all other Awards with time-based vesting, conditions or restrictions shall become fully vested and nonforfeitable as of the effective time of the Sale Event, and all Awards with conditions and restrictions relating to the attainment of performance goals may become vested and nonforfeitable in connection with a Sale Event in the Administrator's discretion or to the extent specified in the relevant Award Certificate. In the event of such termination, (i) the Company shall have the option (in its sole discretion) to make or provide for a payment, in cash or in kind, to the grantees holding Options and Share Appreciation Rights, in exchange for the cancellation thereof, in an amount equal to the difference between (A) the Sale Price multiplied by the number of Shares subject to outstanding Options and Share Appreciation Rights (to the extent then exercisable at prices not in excess of the Sale Price) and (B) the aggregate exercise price of all such outstanding Options and Share Appreciation Rights (provided that, in the case of an Option or Share Appreciation Right with an exercise price equal to or less than the Sale Price, such Option or Share Appreciation Right shall be cancelled for no consideration); or (ii) each grantee shall be permitted, within a specified period of time prior to the consummation of the Sale Event as determined by the Administrator, to exercise all outstanding Options and Share

Appreciation Rights (to the extent then exercisable) held by such grantee. The Company shall also have the option (in its sole discretion) to make or provide for a payment, in cash or in kind, to the grantees holding other Awards in an amount equal to the Sale Price multiplied by the number of vested Shares under such Awards.

SECTION 4. ELIGIBILITY

Grantees under the Plan will be such employees of the Company and its Affiliates as to whom the Company may issue securities without shareholder approval in accordance with Rule 5635(c)(4) of the Marketplace Rules of The Nasdaq Stock Market, Inc., as selected from time to time by the Administrator in its sole discretion.

SECTION 5. SHARE OPTIONS

(a) Award of Share Options. The Administrator may grant Share Options under the Plan. Any Share Option granted under the Plan shall be in such form as the Administrator may from time to time approve. Share Options granted pursuant to this Section 5 shall be subject to the following terms and conditions and shall contain such additional terms and conditions, not inconsistent with the terms of the Plan, as the Administrator shall deem desirable. If the Administrator so determines, Share Options may be granted in lieu of cash compensation at the optionee's election, subject to such terms and conditions as the Administrator may establish.

(b) Exercise Price. The exercise price per Share covered by a Share Option granted pursuant to this Section 5 shall be determined by the Administrator at the time of grant but shall not be less than 100 percent of the Fair Market Value on the date of grant.

(c) Option Term. The term of each Share Option shall be fixed by the Administrator, but no Share Option shall be exercisable more than ten years after the date the Share Option is granted.

(d) Exercisability; Rights of a Shareholder. Share Options shall become exercisable at such time or times, whether or not in installments, as shall be determined by the Administrator at or after the grant date. The Administrator may at any time accelerate the exercisability of all or any portion of any Share Option. An optionee shall have the rights of a shareholder only as to shares acquired upon the exercise of a Share Option and not as to unexercised Share Options.

(e) Method of Exercise. Share Options may be exercised in whole or in part, by giving written or electronic notice of exercise to the Company, specifying the number of shares to be purchased. Payment of the purchase price may be made by one or more of the following methods except to the extent otherwise provided in the Option Award Certificate:

(i) In cash, by certified or bank check or other instrument acceptable to the Administrator;

(ii) Through the delivery (or attestation to the ownership following such procedures as the Company may prescribe) of Shares that are not then subject to restrictions under any Company plan. Such surrendered shares shall be valued at Fair Market Value on the exercise date;

(iii) By the optionee delivering to the Company a properly executed exercise notice together with irrevocable instructions to a broker to promptly deliver to the Company cash or a check payable and acceptable to the Company for the purchase price; provided that in the event the optionee chooses to pay the purchase price as so provided, the optionee and the broker shall comply with such procedures and enter into such agreements of indemnity and other agreements as the Company shall prescribe as a condition of such payment procedure; or

(iv) By a "net exercise" arrangement pursuant to which the Company will reduce the number of Shares issuable upon exercise by the largest whole number of shares with a Fair Market Value that does not exceed the aggregate exercise price.

Payment instruments will be received subject to collection. The transfer to the optionee on the records of the Company or of the transfer agent of the Shares to be purchased pursuant to the exercise of a Share Option will be contingent upon receipt from the optionee (or a purchaser acting in his stead in accordance with the provisions of the

Share Option) by the Company of the full purchase price for such shares and the fulfillment of any other requirements contained in the Option Award Certificate or applicable provisions of laws (including the satisfaction of any withholding taxes that the Company is obligated to withhold with respect to the optionee). In the event an optionee chooses to pay the purchase price by previously-owned Shares through the attestation method, the number of Shares transferred to the optionee upon the exercise of the Share Option shall be net of the number of attested shares. In the event that the Company establishes, for itself or using the services of a third party, an automated system for the exercise of Share Options, such as a system using an internet website or interactive voice response, then the paperless exercise of Share Options may be permitted through the use of such an automated system.

SECTION 6. SHARE APPRECIATION RIGHTS

(a) Award of Share Appreciation Rights. The Administrator may grant Share Appreciation Rights under the Plan. A Share Appreciation Right is an Award entitling the recipient to receive Shares (or cash, to the extent explicitly provided for in the applicable Award Certificate) having a value equal to the excess of the Fair Market Value of a Share on the date of exercise over the exercise price of the Share Appreciation Right multiplied by the number of Shares with respect to which the Share Appreciation Right shall have been exercised.

(b) Exercise Price of Share Appreciation Rights. The exercise price of a Share Appreciation Right shall not be less than 100 percent of the Fair Market Value of the Share on the date of grant.

(c) Grant and Exercise of Share Appreciation Rights. Share Appreciation Rights may be granted by the Administrator independently of any Share Option granted pursuant to Section 5 of the Plan.

(d) Terms and Conditions of Share Appreciation Rights. Share Appreciation Rights shall be subject to such terms and conditions as shall be determined on the date of grant by the Administrator. The term of a Share Appreciation Right may not exceed ten years. The terms and conditions of each such Award shall be determined by the Administrator, and such terms and conditions may differ among individual Awards and grantees.

SECTION 7. RESTRICTED SHARE AWARDS

(a) Nature of Restricted Share Awards. The Administrator may grant Restricted Share Awards under the Plan. A Restricted Share Award is any Award of Restricted Shares subject to such restrictions and conditions as the Administrator may determine at the time of grant. Conditions may be based on continuing employment (or other service relationship) and/or achievement of pre-established performance goals and objectives.

(b) Rights as a Shareholder. Upon the grant of the Restricted Share Award and payment of any applicable purchase price, a grantee shall have the rights of a shareholder with respect to the voting of the Restricted Shares and receipt of dividends; provided that if the lapse of restrictions with respect to the Restricted Share Award is tied to the attainment of performance goals, any dividends paid by the Company during the performance period shall accrue and shall not be paid to the grantee until and to the extent the performance goals are met with respect to the Restricted Share Award. Unless the Administrator shall otherwise determine, (i) uncertificated Restricted Shares shall be accompanied by a notation on the records of the Company or the transfer agent to the effect that they are subject to forfeiture until such Restricted Shares are vested as provided in Section 7(d) below, and (ii) certificated Restricted Shares shall remain in the possession of the Company until such Restricted Shares are vested as provided in Section 7(d) below, and the grantee shall be required, as a condition of the grant, to deliver to the Company such instruments of transfer as the Administrator may prescribe.

(c) Restrictions. Restricted Shares may not be sold, assigned, transferred, pledged or otherwise encumbered or disposed of except as specifically provided herein or in the Restricted Share Award Certificate. Except as may otherwise be provided by the Administrator either in the Award Certificate or, subject to Section 14 below, in writing after the Award is issued, if a grantee's employment (or other service relationship) with the Company and its Subsidiaries terminates for any reason, any Restricted Shares that have not vested at the time of termination shall automatically and without any requirement of notice to such grantee from or other action by or on behalf of, the

Company be deemed to have been reacquired by the Company at its original purchase price (if any) from such grantee or such grantee's legal representative simultaneously with such termination of employment (or other service relationship), and thereafter shall cease to represent any ownership of the Company by the grantee or rights of the grantee as a shareholder. Following such deemed reacquisition of Restricted Shares that are represented by physical certificates, a grantee shall surrender such certificates to the Company upon request without consideration.

(d) Vesting of Restricted Shares. The Administrator at the time of grant shall specify the date or dates and/or the attainment of pre-established performance goals, objectives and other conditions on which the non-transferability of the Restricted Shares and the Company's right of repurchase or forfeiture shall lapse. Subsequent to such date or dates and/or the attainment of such pre-established performance goals, objectives and other conditions, the shares on which all restrictions have lapsed shall no longer be Restricted Shares and shall be deemed "vested."

SECTION 8. RESTRICTED SHARE UNITS

(a) Nature of Restricted Share Units. The Administrator may grant Restricted Share Units under the Plan. A Restricted Share Unit is an Award of share units that may be settled in Shares (or cash, to the extent explicitly provided for in the Award Certificate) upon the satisfaction of such restrictions and conditions at the time of grant. Conditions may be based on continuing employment (or other service relationship) and/or achievement of pre-established performance goals and objectives. The terms and conditions of each such Award shall be determined by the Administrator, and such terms and conditions may differ among individual Awards and grantees. Except in the case of Restricted Share Units with a deferred settlement date that complies with Section 409A, at the end of the vesting period, the Restricted Share Units, to the extent vested, shall be settled in the form of Shares. Restricted Share Units with deferred settlement dates are subject to Section 409A and shall contain such additional terms and conditions as the Administrator shall determine in its sole discretion in order to comply with the requirements of Section 409A.

(b) Election to Receive Restricted Share Units in Lieu of Compensation. The Administrator may, in its sole discretion, permit a grantee to elect to receive a portion of future cash compensation otherwise due to such grantee in the form of an award of Restricted Share Units. Any such election shall be made in writing and shall be delivered to the Company no later than the date specified by the Administrator and in accordance with Section 409A and such other rules and procedures established by the Administrator. Any such future cash compensation that the grantee elects to defer shall be converted to a fixed number of Restricted Share Units based on the Fair Market Value of a Share on the date the compensation would otherwise have been paid to the grantee if such payment had not been deferred as provided herein. The Administrator shall have the sole right to determine whether and under what circumstances to permit such elections and to impose such limitations and other terms and conditions thereon as the Administrator deems appropriate. Any Restricted Share Units that are elected to be received in lieu of cash compensation shall be fully vested, unless otherwise provided in the Award Certificate.

(c) Rights as a Shareholder. A grantee shall have the rights as a shareholder only as to Shares acquired by the grantee upon settlement of Restricted Share Units; provided, however, that the grantee may be credited with Dividend Equivalent Rights with respect to the share units underlying his Restricted Share Units, subject to the provisions of Section 10 and such terms and conditions as the Administrator may determine.

(d) Termination. Except as may otherwise be provided by the Administrator either in the Award Certificate or, subject to Section 14 below, in writing after the Award is issued, a grantee's right in all Restricted Share Units that have not vested shall automatically terminate upon the grantee's termination of employment (or cessation of service relationship) with the Company and its Subsidiaries for any reason.

SECTION 9. UNRESTRICTED SHARE AWARDS. The Administrator may grant (or sell at par value or such higher purchase price determined by the Administrator) an Unrestricted Share Award under the Plan. An Unrestricted Share Award is an Award pursuant to which the grantee may receive Shares of free of any restrictions under the Plan. Unrestricted Share Awards may be granted in respect of past services or other valid consideration, or in lieu of cash compensation due to such grantee.

SECTION 10. DIVIDEND EQUIVALENT RIGHTS

(a) Dividend Equivalent Rights. The Administrator may grant Dividend Equivalent Rights under the Plan. A Dividend Equivalent Right is an Award entitling the grantee to receive credits based on cash dividends that would have been paid on the Shares specified in the Dividend Equivalent Right (or other Award to which it relates) if such shares had been issued to the grantee. A Dividend Equivalent Right may be granted hereunder to any grantee as a component of an award of Restricted Share Units or as a freestanding award. The terms and conditions of Dividend Equivalent Rights shall be specified in the Award Certificate. Dividend equivalents credited to the holder of a Dividend Equivalent Right may be paid currently or may be deemed to be reinvested in additional Shares, which may thereafter accrue additional equivalents. Any such reinvestment shall be at Fair Market Value on the date of reinvestment or such other price as may then apply under a dividend reinvestment plan sponsored by the Company, if any. Dividend Equivalent Rights may be settled in cash or Shares or a combination thereof, in a single installment or installments. A Dividend Equivalent Right granted as a component of an Award of Restricted Share Units shall provide that such Dividend Equivalent Right shall be settled only upon settlement or payment of, or lapse of restrictions on, such other Award, and that such Dividend Equivalent Right shall expire or be forfeited or annulled under the same conditions as such other Award.

(b) Termination. Except as may otherwise be provided by the Administrator either in the Award Certificate or, subject to Section 14 below, in writing after the Award is issued, a grantee's rights in all Dividend Equivalent Rights shall automatically terminate upon the grantee's termination of employment (or cessation of service relationship) with the Company and its Subsidiaries for any reason.

SECTION 11. TRANSFERABILITY OF AWARDS

(a) Transferability. Except as provided in Section 11(b) below, during a grantee's lifetime, his or her Awards shall be exercisable only by the grantee, by the grantee's legal representative or guardian in the event of the grantee's incapacity (evidenced to the satisfaction of the Administrator) or the grantee's personal representatives in the case of his death. No Awards shall be sold, assigned, transferred or otherwise encumbered or disposed of by a grantee other than by will or by the laws of descent and distribution or pursuant to a domestic relations order. No Awards shall be subject, in whole or in part, to attachment, execution, or levy of any kind, and any purported transfer in violation hereof shall be null and void.

(b) Administrator Action. Notwithstanding Section 11(a), the Administrator, in its discretion, may provide either in the Award Certificate regarding a given Award or by subsequent written approval that the grantee (who is an employee or director) may transfer his or her Non-Qualified Share Options to his or her immediate family members, to trusts for the benefit of such family members, or to partnerships in which such family members are the only partners, provided that the transferee agrees in writing with the Company to be bound by all of the terms and conditions of this Plan and the applicable Award. In no event may an Award be transferred by a grantee for value.

(c) Family Member. For purposes of Section 11(b), "family member" shall mean a grantee's child, stepchild, grandchild, parent, stepparent, grandparent, spouse, former spouse, sibling, niece, nephew, mother-in-law, father-in-law, son-in-law, daughter-in-law, brother-in-law, or sister-in-law, including adoptive relationships, any person sharing the grantee's household (other than a tenant of the grantee), a trust in which these persons (or the grantee) have more than 50 percent of the beneficial interest, a foundation in which these persons (or the grantee) control the management of assets, and any other entity in which these persons (or the grantee) own more than 50 percent of the voting interests.

(d) Designation of Beneficiary. To the extent permitted by the Company, each grantee to whom an Award has been made under the Plan may designate a beneficiary or beneficiaries to exercise any Award or receive any payment under any Award payable on or after the grantee's death. Any such designation shall be on a form provided for that purpose by the Administrator and shall not be effective until received by the Administrator. If no beneficiary has been designated by a deceased grantee, or if the designated beneficiaries have predeceased the grantee, the beneficiary shall be the grantee's estate.

SECTION 12. TAX WITHHOLDING

(a) Payment by Grantee. If the Company or any Subsidiary is liable to account for tax (including Federal, state and local taxes and social security taxes in the US and their equivalent in any other jurisdiction) for which a grantee is liable by reason of the grant, release, exercise, assignment or surrender for consideration of an Award or the receipt of any benefit in connection with it, the Company and its Subsidiaries shall, to the extent permitted by the applicable law in the relevant jurisdiction, have the right to deduct any such taxes from any payment of any kind otherwise due to the grantee. The Company's obligation to deliver evidence of book entry (or share certificates) to any grantee is subject to and conditioned on tax withholding obligations being satisfied by the grantee.

(b) Payment in Shares. The Company's required tax withholding obligation may be satisfied, in whole or in part, by the Company withholding from Shares to be issued pursuant to any Award a number of shares with an aggregate Fair Market Value (as of the date the withholding is effected) that would satisfy the withholding amount due; provided, however, that the amount withheld does not exceed the maximum statutory tax rate or such lesser amount as is necessary to avoid liability accounting treatment. The Administrator may also require Awards to be subject to mandatory share withholding up to the required withholding amount. For purposes of share withholding, the Fair Market Value of withheld shares shall be determined in the same manner as the value of Shares includible in income of the Participants. The required tax withholding obligation may also be satisfied, in whole or in part, by an arrangement whereby a certain number of Shares issued pursuant to any Award are immediately sold and proceeds from such sale are remitted to the Company in an amount that would satisfy the withholding amount due.

(c) UK national insurance contributions. At the request of the Company or Subsidiary by which the relevant grantee is employed at any time before the vesting or exercise of an Award which is a Share Option, the grantee must either agree to meet or elect, to the extent lawfully permitted (and in the case of an election, using a form approved by HM Revenue & Customs) that the whole of the liability for any secondary class 1 (employers') national insurance contributions arising as a result of the grant, release, exercise, assignment or surrender for consideration of the Share Option, shall be borne by or transferred to the grantee.

SECTION 13. SECTION 409A AWARDS

To the extent that any Award is determined to constitute "nonqualified deferred compensation" within the meaning of Section 409A (a "**409A Award**"), the Award shall be subject to such additional rules and requirements as specified by the Administrator from time to time in order to comply with Section 409A. In this regard, if any amount under a 409A Award is payable upon a "separation from service" (within the meaning of Section 409A) to a grantee who is then considered a "specified employee" (within the meaning of Section 409A), then no such payment shall be made prior to the date that is the earlier of (i) six months and one day after the grantee's separation from service, or (ii) the grantee's death, but only to the extent such delay is necessary to prevent such payment from being subject to interest, penalties and/or additional tax imposed pursuant to Section 409A. Further, the settlement of any 409A Award may not be accelerated except to the extent permitted by Section 409A.

SECTION 14. TERMINATION OF EMPLOYMENT, TRANSFER, LEAVE OF ABSENCE, ETC.

(a) Termination of Employment. If the grantee's employer ceases to be a Subsidiary, the grantee shall be deemed to have terminated employment for purposes of the Plan.

(b) For purposes of the Plan, the following events shall not be deemed a termination of employment:

(c) a transfer to the employment of the Company from a Subsidiary or from the Company to a Subsidiary, or from one Subsidiary to another; or

(d) an approved leave of absence for military service or sickness, or for any other purpose approved by the Company, if the employee's right to re-employment is guaranteed either by a statute or by contract or under the policy pursuant to which the leave of absence was granted or if the Administrator otherwise so provides in writing.

(e) In the case of grantees who are employed in the UK, the termination date of their employment shall be the date notice is given by or to them unless the Administrator decides that it can be a later date before the statutory or contractual expiry date of their notice period.

SECTION 15. AMENDMENTS AND TERMINATION

The Board may, at any time, amend (including to increase the number of Shares reserved and available for issuance hereunder) or discontinue the Plan and the Administrator may, at any time, amend or cancel any outstanding Award for the purpose of satisfying changes in law or for any other lawful purpose, but no such action shall adversely affect rights under any outstanding Award without the holder's consent. Except as provided in Section 3(c) or 3(d), without prior shareholder approval, in no event may the Administrator exercise its discretion to reduce the exercise price of outstanding Share Options or Share Appreciation Rights or effect repricing through cancellation and re-grants or cancellation of Share Options or Share Appreciation Rights in exchange for cash. Nothing in this Section 15 shall limit the Administrator's authority to take any action permitted pursuant to Section 3(b) or 3(c).

SECTION 16. STATUS OF PLAN

With respect to the portion of any Award that has not been settled or exercised and any payments in cash, Shares or other consideration not received by a grantee, a grantee shall have no rights greater than those of a general creditor of the Company unless the Administrator shall otherwise expressly determine in connection with any Award or Awards. In its sole discretion, the Administrator may authorize the creation of trusts or other arrangements to meet the Company's obligations to deliver Shares or make payments with respect to Awards hereunder, provided that the existence of such trusts or other arrangements is consistent with the foregoing sentence.

SECTION 17. GENERAL PROVISIONS

(a) No Distribution. The Administrator may require each person acquiring Shares pursuant to an Award to represent to and agree with the Company in writing that such person is acquiring the shares without a view to distribution thereof.

(b) Issuance of Shares. To the extent certificated, Share certificates to grantees under this Plan shall be deemed delivered for all purposes when the Company or a transfer agent of the Company shall have mailed such certificates in the United States mail, addressed to the grantee, at the grantee's last known address on file with the Company. Uncertificated Shares shall be deemed delivered for all purposes when the Company or a transfer agent of the Company shall have given to the grantee by electronic mail (with proof of receipt) or by United States mail, addressed to the grantee, at the grantee's last known address on file with the Company, notice of issuance and recorded the issuance in its records (which may include electronic "book entry" records). Notwithstanding anything herein to the contrary, the Company shall not be required to issue or deliver any evidence of book entry or certificates evidencing Shares pursuant to the exercise or settlement of any Award, unless and until the Administrator has determined, with advice of counsel (to the extent the Administrator deems such advice necessary or advisable), that the issuance and delivery is in compliance with all applicable laws, regulations of governmental authorities and, if applicable, the requirements of any exchange on which the Shares are listed, quoted or traded. Any Shares issued pursuant to the Plan shall be subject to any stop-transfer orders and other restrictions as the Administrator deems necessary or advisable to comply with federal, state or foreign jurisdiction, securities or other laws, rules and quotation system on which the Shares are listed, quoted or traded. The Administrator may place legends on any Share certificate or notations on any book entry to reference restrictions applicable to the Shares. In addition to the terms and conditions provided herein, the Administrator may require that an individual make such reasonable covenants, agreements, and representations as the Administrator, in its discretion, deems necessary or advisable in order to comply with any such laws, regulations, or requirements. The Administrator shall have the right to require any individual to comply with any timing or other restrictions with respect to the settlement or exercise of any Award, including a window-period limitation, as may be imposed in the discretion of the Administrator.

(c) Shareholder Rights. Until Shares are deemed delivered in accordance with Section 17(b), no right to vote or receive dividends or any other rights of a shareholder will exist with respect to Shares to be issued in connection with an Award, notwithstanding the exercise of a Share Option or any other action by the grantee with respect to an Award.

(d) Other Compensation Arrangements; No Employment Rights. Nothing contained in this Plan shall prevent the Board from adopting other or additional compensation arrangements, including trusts, and such arrangements may be either generally applicable or applicable only in specific cases. The adoption of this Plan and the grant of Awards do not confer upon any employee any right to continued employment with the Company or any Subsidiary. If a grantee ceases to be employed by the Company or any Subsidiary for any reason whatsoever (including as a result of being wrongfully or unfairly dismissed) they shall not be entitled, and by accepting an Award they shall be deemed to have waived any possible entitlement, to any sum or other benefit accrued or in prospect in connection with that Award, and no such loss or curtailment shall form part of any claim for damages for breach of the grantee's contract of employment or compensation for dismissal or any other claim whatsoever.

(e) Trading Policy Restrictions. Option exercises and other Awards under the Plan shall be subject to the Company's insider trading policies and procedures, as in effect from time to time.

(f) Clawback Policy. Awards under the Plan shall be subject to the Company's clawback policy, as in effect from time to time.

SECTION 18. EFFECTIVE DATE OF PLAN

This Plan shall become effective immediately upon approval by the Board.

SECTION 19. GOVERNING LAW

This Plan and all Awards and actions taken thereunder shall be governed by, and construed in accordance with the law of England and Wales, applied without regard to conflict of law principles.

**NON-QUALIFIED SHARE OPTION AGREEMENT
FOR COMPANY EMPLOYEES
UNDER THE ORCHARD THERAPEUTICS PLC
2020 INDUCEMENT EQUITY PLAN**

Name of Optionee: _____
No. of Option Shares: _____
Option Exercise Price per Share: \$ _____
Grant Date: _____
Vesting Commencement Date: _____
Expiration Date: _____

Pursuant to the Orchard Therapeutics plc 2020 Inducement Equity Plan, as amended through the date hereof (the "Plan"), Orchard Therapeutics plc (the "Company") hereby grants to the Optionee named above an option (the "Share Option") to purchase on or prior to the Expiration Date specified above all or part of the number of Shares specified above at the Option Exercise Price per Share specified above subject to the terms and conditions set forth herein and in the Plan. This Share Option has been granted as an inducement pursuant to Rule 5635(c)(4) of the Marketplace Rules of the Nasdaq Stock Market LLC. This Share Option is not intended to be an "incentive stock option" under Section 422 of the U.S. Internal Revenue Code of 1986, as amended.

1. Exercisability Schedule. No portion of this Share Option may be exercised until such portion shall have become exercisable. Except as set forth below, and subject to the discretion of the Administrator (as defined in Section 2 of the Plan) to accelerate the exercisability schedule hereunder, this Share Option shall be exercisable with respect to the following number of Option Shares on the dates indicated so long as Optionee remains an employee of the Company or a Subsidiary on such dates:

<u>Incremental Number of Option Shares Exercisable</u>	<u>Exercisability Date</u>
(%)	
(%)	
(%)	
(%)	
(%)	

Once exercisable, this Share Option shall continue to be exercisable at any time or times prior to the close of business on the Expiration Date, subject to the provisions hereof and of the Plan.

2. Manner of Exercise.

(a) The Optionee may exercise this Share Option only in the following manner: from time to time on or prior to the Expiration Date of this Share Option, the Optionee may give written notice to the Administrator of his or her election to purchase some or all of the Option Shares purchasable at the time of such notice. This notice shall specify the number of Option Shares to be purchased.

Payment of the purchase price for the Option Shares may be made by one or more of the following methods: (i) in cash, by certified or bank check or other instrument acceptable to the Administrator; (ii) through the delivery (or attestation to the ownership) of Shares that have been purchased by the Optionee on the open market or that are beneficially owned by the Optionee and are not then subject to any restrictions under any Company plan and that otherwise satisfy any holding periods as may be required by the Administrator; (iii) by the Optionee delivering to the Company a properly executed exercise notice together with irrevocable instructions to a broker to promptly deliver to the Company cash or a check payable and acceptable to the Company to pay the option purchase price, provided that in the event the Optionee chooses to pay the option purchase price as so provided, the Optionee and the broker shall comply with such procedures and enter into such agreements of indemnity and other agreements as the Administrator shall prescribe as a condition of such payment procedure; (iv) by a "net exercise" arrangement pursuant to which the Company will reduce the number of Shares issuable upon exercise by the largest whole number of shares with a Fair Market Value that does not exceed the aggregate exercise price; or (v) a combination of (i), (ii), (iii) and (iv) above. Payment instruments will be received subject to collection.

The transfer to the Optionee on the records of the Company or of the transfer agent of the Option Shares will be contingent upon (i) the Company's receipt from the Optionee of the full purchase price for the Option Shares, as set forth above, (ii) the fulfillment of any other requirements contained herein or in the Plan or in any other agreement or provision of laws, and (iii) the receipt by the Company of any agreement, statement or other evidence that the Company may require to satisfy itself that the issuance of Shares to be purchased pursuant to the exercise of Share Options under the Plan and any subsequent resale of the Shares will be in compliance with applicable laws and regulations. In the event the Optionee chooses to pay the purchase price by previously-owned Shares through the attestation method, the number of Shares transferred to the Optionee upon the exercise of the Share Option shall be net of the Shares attested to.

(b) The Shares purchased upon exercise of this Share Option shall be transferred to the Optionee on the records of the Company or of the transfer agent upon compliance to the satisfaction of the Administrator with all requirements under applicable laws or regulations in connection with such transfer and with the requirements hereof and of the Plan. The determination of the Administrator as to such compliance shall be final and binding on the Optionee. The Optionee shall not be deemed to be the holder of, or to have any of the rights of a holder with respect to, any Shares subject to this Share Option unless and until this Share Option shall have been exercised pursuant to the terms hereof, the Company or the transfer agent shall have transferred the shares to the Optionee, and the Optionee's name shall have been entered as the shareholder of record on the books of the Company. Thereupon, the Optionee shall have full voting, dividend and other ownership rights with respect to such Shares.

(c) The minimum number of shares with respect to which this Share Option may be exercised at any one time shall be 100 shares, unless the number of shares with respect to which this Share Option is being exercised is the total number of shares subject to exercise under this Share Option at the time.

(d) Notwithstanding any other provision hereof or of the Plan, no portion of this Share Option shall be exercisable after the Expiration Date hereof.

3. Termination of Employment. If the Optionee's employment by the Company or a Subsidiary (as defined in the Plan) is terminated, the period within which to exercise the Share Option may be subject to earlier termination as set forth below.

(a) Termination Due to Death. If the Optionee's employment terminates by reason of the Optionee's death, any portion of this Share Option outstanding on such date, to the extent exercisable on the date of death, may thereafter be exercised by the Optionee's legal representative or legatee for a period of 12 months from the date of death or until the Expiration Date, if earlier. Any portion of this Share Option that is not exercisable on the date of death shall terminate immediately and be of no further force or effect.

(b) Termination Due to Disability. If the Optionee's employment terminates by reason of the Optionee's disability (as determined by the Administrator), any portion of this Share Option outstanding on such date, to the extent exercisable on the date of such termination of employment, may thereafter be exercised by the Optionee for a period of 12 months from the date of disability or until the Expiration Date, if earlier. Any portion of this Share Option that is not exercisable on the date of disability shall terminate immediately and be of no further force or effect.

(c) Termination for Cause. If the Optionee's employment terminates for Cause, any portion of this Share Option outstanding on such date shall terminate immediately and be of no further force and effect. For purposes hereof, "Cause" shall mean, unless otherwise provided in an employment agreement between the Company and the Optionee, a determination by the Administrator that the Optionee shall be dismissed as a result of (i) any material breach by the Optionee of any agreement between the Optionee and the Company; (ii) the conviction of, indictment for or plea of nolo contendere by the Optionee to a felony or a crime involving moral turpitude; or (iii) any material misconduct or willful and deliberate non-performance (other than by reason of disability) by the Optionee of the Optionee's duties to the Company.

(d) Other Termination. If the Optionee's employment terminates for any reason other than the Optionee's death, the Optionee's disability or Cause, and unless otherwise determined by the Administrator, any portion of this Share Option outstanding on such date may be exercised, to the extent exercisable on the date of termination, for a period of three months from the date of termination or until the Expiration Date, if earlier. Any portion of this Share Option that is not exercisable on the date of termination shall terminate immediately and be of no further force or effect.

The Administrator's determination of the reason for termination of the Optionee's employment shall be conclusive and binding on the Optionee and his or her representatives or legatees.

4. Incorporation of Plan. Notwithstanding anything herein to the contrary, this Share Option shall be subject to and governed by all the terms and conditions of the Plan, including the powers of the Administrator set forth in Section 2(b) of the Plan. Capitalized terms in this Agreement shall have the meaning specified in the Plan, unless a different meaning is specified herein.

5. Transferability. This Agreement is personal to the Optionee, is non-assignable and is not transferable in any manner, by operation of law or otherwise, other than by will or the laws of descent and distribution. This Share Option is exercisable, during the Optionee's lifetime, only by the Optionee, and thereafter, only by the Optionee's legal representative or legatee.

6. Tax Withholding. The Optionee shall, not later than the date as of which the exercise of this Share Option becomes a taxable event for Federal income tax purposes, pay to the Company or make arrangements satisfactory to the Administrator for payment of any Federal, state, and local taxes required by law to be withheld on account of such taxable event. The Company shall have the authority to cause the required tax withholding obligation to be satisfied, in whole or in part, by withholding from Shares to be issued to the Optionee a number of Shares with an aggregate Fair Market Value that would satisfy the withholding amount due (provided that such amount shall not exceed the maximum statutory tax rate).

7. UK Taxes. No Shares will be delivered to the Optionee pursuant to the exercise of the Share Option until the Optionee has made arrangements acceptable to the Company for the satisfaction of any applicable domestic or foreign income tax and employment tax of any kind (including, but not limited to, any United Kingdom income tax or National Insurance contributions) required by law to be paid or withheld by the Company or any Subsidiary, including, without limitation, such other tax obligations of the Optionee incidental to the receipt of Shares, together (to the extent legally permissible) with any employer's (secondary) National Insurance contributions which may arise with respect to this Agreement. Upon exercise of the Share Option, the Company or the Optionee's employer may offset or withhold (from any amount owed by the Company or the Optionee's employer to the Optionee) or collect from the Optionee an amount sufficient to satisfy such tax or withholding obligations. Furthermore, in the event of any determination that the Company or any Subsidiary has failed to withhold a sum sufficient to pay all taxes due in connection with the Share Option, the Optionee agrees to pay to the Company or the relevant Subsidiary such amount in cash within five (5) days after receiving a written demand from the Company or the relevant Subsidiary to do so, whether or not the Optionee is an employee of the Company or such Subsidiary at that time.

8. Transfer of Burden of Employer's National Insurance contributions. If the Optionee is tax resident in the United Kingdom (a "UK Participant"), the Optionee agrees with and undertakes to the Company and, if different, to its employer that:

(i) The Optionee's employer may recover from the Optionee, as set out in Section 3 above, the whole or any part of any employer's (secondary) National Insurance contributions which may arise with respect to any taxable event arising as a result of this Agreement; and

(ii) The Optionee shall, if requested by the Company, join with its employer in making an election (in a form approved by HMRC under paragraph 3B of Schedule 1 to the Social Security Contributions and Benefits Act 1992) for the transfer to the Optionee of the whole, or such part as the Company may determine, of any liability to employer's (secondary) National Insurance contributions which may arise with respect to any taxable event arising as a result of this Agreement.

9. Section 431 Election. If the Optionee is a UK Participant and is so requested by the Committee, the Optionee shall, along with the Optionee's employer, within 14 days of acquisition of any Shares enter into a Section 431 Election with respect to such Shares. The Optionee shall also make such arrangements as the Committee may require for the satisfaction of any Federal, state, or local taxes (domestic or foreign) of any kind (including, but not limited to, any United Kingdom income tax or National Insurance contributions and including (to the extent legally permissible) with any employer's (secondary) National Insurance contributions) with respect to such acquisition of Shares as may arise upon the making of such Section 431 Election.

10. No Obligation to Continue Employment. Neither the Company nor any Subsidiary is obligated by or as a result of the Plan or this Agreement to continue the Optionee in employment and neither the Plan nor this Agreement shall interfere in any way with the right of the Company or any Subsidiary to terminate the employment of the Optionee at any time.

11. Integration. This Agreement constitutes the entire agreement between the parties with respect to this Share Option and supersedes all prior agreements and discussions between the parties concerning such subject matter.

12. Data Privacy Consent. In order to administer the Plan and this Agreement and to implement or structure future equity grants, the Company, its subsidiaries and affiliates and certain agents thereof (together, the "Relevant Companies") may process any and all personal or professional data, including but not limited to Social Security or other identification number, home address and telephone number, date of birth and other information that is necessary or desirable for the administration of the Plan and/or this Agreement (the "Relevant Information"). By entering into this Agreement, the Optionee (i) authorizes the Company to collect, process, register and transfer to the Relevant Companies all Relevant Information; (ii) waives any privacy rights the Optionee may have with respect to the Relevant Information; (iii) authorizes the Relevant Companies to store and transmit such information in electronic form; and (iv) authorizes the transfer of the Relevant Information to any jurisdiction in which the Relevant Companies consider appropriate. The Optionee shall have access to, and the right to change, the Relevant Information. Relevant Information will only be used in accordance with applicable law.

13. Notices. Notices hereunder shall be mailed or delivered to the Company at its principal place of business and shall be mailed or delivered to the Optionee at the address on file with the Company or, in either case, at such other address as one party may subsequently furnish to the other party in writing.

ORCHARD THERAPEUTICS PLC

By: _____
Title: _____

The foregoing Agreement is hereby accepted and the terms and conditions thereof hereby agreed to by the undersigned. Electronic acceptance of this Agreement pursuant to the Company's instructions to the Optionee (including through an online acceptance process) is acceptable.

Dated: _____

Optionee's Signature

Optionee's name and address:

**RESTRICTED SHARE UNIT AWARD AGREEMENT
FOR COMPANY EMPLOYEES
UNDER THE ORCHARD THERAPEUTICS PLC
2020 INDUCEMENT EQUITY PLAN**

Name of Grantee: _____
No. of Restricted Share Units: _____
Grant Date: _____

Pursuant to the Orchard Therapeutics plc 2020 Inducement Equity Plan, as amended through the date hereof (the "Plan"), Orchard Therapeutics plc (the "Company") hereby grants an award of the number of Restricted Share Units listed above (an "Award") to the Grantee named above. This Award has been granted as an inducement pursuant to Rule 5635(c)(4) of the Marketplace Rules of the Nasdaq Stock Market LLC. Each Restricted Share Unit shall relate to one Share.

1. Restrictions on Transfer of Award. This Award may not be sold, transferred, pledged, assigned or otherwise encumbered or disposed of by the Grantee, and any Shares issuable with respect to the Award may not be sold, transferred, pledged, assigned or otherwise encumbered or disposed of until (i) the Restricted Share Units have vested as provided in Paragraph 2 of this Agreement and (ii) Shares have been issued to the Grantee in accordance with the terms of the Plan and this Agreement.

2. Vesting of Restricted Share Units. The restrictions and conditions of Paragraph 1 of this Agreement shall lapse on the Vesting Date or Dates specified in the following schedule so long as the Grantee remains an employee of the Company or a Subsidiary on such Dates. If a series of Vesting Dates is specified, then the restrictions and conditions in Paragraph 1 shall lapse only with respect to the number of Restricted Share Units specified as vested on such date.

<u>Incremental Number of Restricted Share Units Vested</u>	<u>Vesting Date</u>
(%)	
(%)	
(%)	
(%)	

The Administrator may at any time accelerate the vesting schedule specified in this Paragraph 2.

3. Termination of Employment. If the Grantee's employment with the Company and its Subsidiaries terminates for any reason (including death or disability) prior to the satisfaction of the vesting conditions set forth in Paragraph 2 above, any Restricted Share Units that have not vested as of such date shall automatically and without notice terminate and be forfeited, and neither the Grantee nor any of his or her successors, heirs, assigns, or personal representatives will thereafter have any further rights or interests in such unvested Restricted Share Units.

4. Issuance of Shares. As soon as practicable following each Vesting Date (but in no event later than two and one-half months after the end of the year in which the Vesting Date occurs), the Company shall issue to the Grantee the number of Shares equal to the aggregate number of Restricted Share Units that have vested pursuant to Paragraph 2 of this Agreement on such date and the Grantee shall thereafter have all the rights of a shareholder of the Company with respect to such shares.

5. Incorporation of Plan. Notwithstanding anything herein to the contrary, this Agreement shall be subject to and governed by all the terms and conditions of the Plan, including the powers of the Administrator set forth in Section 2(b) of the Plan. Capitalized terms in this Agreement shall have the meaning specified in the Plan, unless a different meaning is specified herein.

6. Tax Withholding. The Grantee shall, not later than the date as of which the receipt of this Award becomes a taxable event for Federal income tax purposes, pay to the Company or make arrangements satisfactory to the Administrator for payment of any Federal, state, and local taxes required by law to be withheld on account of such taxable event. The Company shall have the authority to cause the required tax withholding obligation to be satisfied, in whole or in part, by (i) withholding from Shares to be issued to the Grantee a number of Shares with an aggregate Fair Market Value that would satisfy the withholding amount due (provided that such amount shall not exceed the maximum statutory amount due) or (ii) by an arrangement whereby a certain number of Shares issued to the Grantee are immediately sold and proceeds from such sale are remitted to the Company in an amount that would satisfy the withholding amount due.

7. Section 409A of the U.S. Code. This Agreement shall be interpreted in such a manner that all provisions relating to the settlement of the Award are exempt from the requirements of Section 409A of the U.S. Code as "short-term deferrals" as described in Section 409A of the U.S. Code.

8. No Obligation to Continue Employment. Neither the Company nor any Subsidiary is obligated by or as a result of the Plan or this Agreement to continue the Grantee in employment and neither the Plan nor this Agreement shall interfere in any way with the right of the Company or any Subsidiary to terminate the employment of the Grantee at any time.

9. Integration. This Agreement constitutes the entire agreement between the parties with respect to this Award and supersedes all prior agreements and discussions between the parties concerning such subject matter.

10. Section 431 Election. If the Grantee is tax resident in the United Kingdom and is so requested by the Board, the Grantee shall, along with its employer, within 14 days of acquisition of any Shares enter into a Section 431 Election with respect to such Shares enter into a Section 431 Election with respect to such Shares. The Grantee shall also make such

arrangements as the Board may require for the satisfaction of any Federal, state, or local taxes (domestic or foreign) of any kind (including, but not limited to, any United Kingdom income tax or National Insurance contributions and including (to the extent legally permissible) with any employer's (secondary) National Insurance contributions) with respect to such acquisition of Shares as may arise upon the making of such Section 431 Election.

11. Data Privacy Consent. In order to administer the Plan and this Agreement and to implement or structure future equity grants, the Company, its subsidiaries and affiliates and certain agents thereof (together, the "Relevant Companies") may process any and all personal or professional data, including but not limited to Social Security or other identification number, home address and telephone number, date of birth and other information that is necessary or desirable for the administration of the Plan and/or this Agreement (the "Relevant Information"). By entering into this Agreement, the Grantee (i) authorizes the Company to collect, process, register and transfer to the Relevant Companies all Relevant Information; (ii) waives any privacy rights the Grantee may have with respect to the Relevant Information; (iii) authorizes the Relevant Companies to store and transmit such information in electronic form; and (iv) authorizes the transfer of the Relevant Information to any jurisdiction in which the Relevant Companies consider appropriate. The Grantee shall have access to, and the right to change, the Relevant Information. Relevant Information will only be used in accordance with applicable law.

12. Notices. Notices hereunder shall be mailed or delivered to the Company at its principal place of business and shall be mailed or delivered to the Grantee at the address on file with the Company or, in either case, at such other address as one party may subsequently furnish to the other party in writing.

By: _____
Title:

The foregoing Agreement is hereby accepted and the terms and conditions thereof hereby agreed to by the undersigned. Electronic acceptance of this Agreement pursuant to the Company's instructions to the Grantee (including through an online acceptance process) is acceptable.

Dated: _____

Grantee's Signature

Grantee's name and address:

