

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM S-8
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

ONCONOVA THERAPEUTICS, INC.

(Exact name of registrant as specified in its charter)

DELAWARE
(State or other jurisdiction of
incorporation or organization)

22-3627252
(I.R.S. Employer
Identification No.)

12 Penns Trail
Newtown, PA 18940
(267) 759-3680

(Address, including zip code, of registrant's principal executive offices)

ONCONOVA THERAPEUTICS, INC. 2021 INCENTIVE COMPENSATION PLAN
(Full title of the plan)

With copies to:

Steven M. Fruchtmann
Chief Executive Officer
Onconova Therapeutics, Inc.
12 Penns Trail
Newtown, PA 18940
(267) 759-3680

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Joanne R. Soslow
Morgan, Lewis & Bockius LLP
1701 Market Street
Philadelphia, PA 19103-2921
Tel: (215) 963-5000
Fax: (215) 963-5001

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. (Check one):

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 Exchange Act.

CALCULATION OF REGISTRATION FEE

Title of Securities To be Registered	Amount to be Registered (1)	Proposed Maximum Offering Price Per Share (2)	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Common Stock, \$0.01 par value per share	1,325,111 shares (3) \$	5.05 \$	6,691,811.00 \$	730.08(4)

(1) This registration statement covers shares of our common stock, par value \$0.01 per share (the "Common Stock") of Onconova Therapeutics, Inc. (the "Company") that may be offered or sold pursuant to the Company's 2021 Incentive Compensation Plan (the "Plan"). In addition, in accordance with Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this registration statement shall be deemed to

cover any additional securities that may from time to time be offered or issued to prevent dilution resulting from stock splits, stock dividends, recapitalization or similar transactions in accordance with the anti-dilution provisions of the Plan.

- (2) Estimated solely for the purpose of calculating the registration fee pursuant to Rules 457(c) and 457(h) of the Securities Act. The price per share and aggregate offering price are calculated on the basis of \$5.05, the average of the high and low price of the Common Stock as reported on the NASDAQ Capital Market on July 27, 2021.
 - (3) Consists of (i) 1,300,000 shares of Common Stock, plus (ii) 25,111 shares, which is the number of shares of Common Stock reserved for issuance under the Company's 2018 Omnibus Incentive Compensation Plan (the "Prior Plan") that remain available for grant under the Prior Plan as of May 28, 2021. To the extent that awards outstanding under the Prior Plan as of the effective date of the Plan (the "Effective Date") were terminated, expire or are cancelled, forfeited, exchanged or surrendered without having been exercised, vested or paid in shares after the Effective Date, the shares of Common Stock subject to such awards will be added to the share reserve under the Plan.
 - (4) Pursuant to Rule 457(p) under the Securities Act, the registration fee previously paid with regard to the 25,111 shares of Common Stock which were registered under the Company's Registration Statements on Form S-8 for the Prior Plan filed on July 16, 2018 (File No. 333-226199 and August 22, 2019 (File No. 333-233410), is being carried forward to the registration of shares hereunder.
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PART I

INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

ITEM 1. PLAN INFORMATION.

The documents containing the information specified in this Part I of Form S-8 will be sent or given to employees of Onconova Therapeutics, Inc. (the “Company”) as specified by Rule 428(b)(1) of the Securities Act. Such documents need not be filed with the Securities and Exchange Commission (the “Commission”) either as part of this Registration Statement or as prospectuses or prospectus supplements pursuant to Rule 424. These documents and the documents incorporated by reference in this Registration Statement pursuant to Item 3 of Part II of this Form S-8, taken together, constitute a prospectus that meets the requirements of Section 10(a) of the Securities Act.

ITEM 2. REGISTRANT INFORMATION AND EMPLOYEE PLAN ANNUAL INFORMATION.

The Company will furnish, without charge, to each person to whom the prospectus is delivered, upon the written or oral request of such person, a copy of any and all of the documents incorporated by reference in Item 3 of Part II of this Registration Statement. The Company will also furnish without charge to each person to whom the prospectus is delivered, upon the written or oral request of such person, a copy of other documents required to be delivered to employees of the Company under Rule 428(b). Requests should be directed to: Onconova Therapeutics, Inc., 375 Pheasant Run, Newtown, PA 18940, Attention: Secretary, telephone number (267) 759-3680.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

ITEM 3. INCORPORATION OF DOCUMENTS BY REFERENCE.

The following documents filed by the Company with the Commission are incorporated by reference into this Registration Statement:

- (1) [the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2020;](#)
- (2) [the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2021;](#)
- (3) The Company's Current Reports on Form 8-K filed with the Commission on [January 8, 2021](#), [January 15, 2021](#), [February 12, 2021](#), [February 16, 2021](#), [February 19, 2021](#), [February 24, 2021](#), [March 4, 2021](#) (as amended by the Current Report on Form 8-K/A filed on [March 4, 2021](#)), [April 1, 2021](#), [May 3, 2021](#), [May 14, 2021](#), [May 20, 2021](#), [June 22, 2021](#), [June 25, 2021](#), July 16, 2021 and July 30, 2021; and
- (4) [the description of the Company's shares of common stock, par value \\$0.01 per share \(“Common Stock”\), contained in the Company's Registration Statement on Form 8-A filed with the Commission on July 23, 2013 \(File No. 001-36020\) to register such securities under the Securities Exchange Act of 1934, as amended, or the “Exchange Act,” including any amendments filed for the purpose of updating such information.](#)

To the extent that any information contained in any current report on Form 8-K or 8-K/A, or any exhibit thereto, was furnished to, rather than filed with, the SEC, such information or exhibit is specifically not incorporated by reference in this Registration Statement.

All reports and other documents subsequently filed by the Company pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act, prior to the filing of a post-effective amendment that indicates that all securities offered have been sold or that deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference to this Registration Statement and to be a part hereof from the date of the filing of such reports and documents. Any statement contained herein or in a document all or a portion of which is incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any other subsequently filed document that 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.

Experts

The consolidated financial statements of Onconova Therapeutics, Inc. as of December 31, 2020 and 2019, and for the years then ended, appearing in the Company's Annual Report on Form 10-K for the year ended December 31, 2020 have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their report thereon included therein and incorporated herein by reference. Such financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

ITEM 4. DESCRIPTION OF SECURITIES.

Not Applicable.

ITEM 5. INTERESTS OF NAMED EXPERTS AND COUNSEL.

Not Applicable.

ITEM 6. INDEMNIFICATION OF DIRECTORS AND OFFICERS.

We are incorporated under the laws of the State of Delaware. Section 145 of the Delaware General Corporation Law provides that a Delaware corporation may indemnify any persons who are, or are threatened to be made, parties to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of such corporation), by reason of the fact that such person was an officer, director, employee or agent of such corporation, or is or was serving at the request of such person as an officer, director, employee or agent of another corporation or enterprise. The indemnity may include expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by such person in connection with such action, suit or proceeding, provided that such person acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the corporation's best interests and, with respect to any criminal action or proceeding, had no reasonable cause to believe that his or her conduct was illegal. A Delaware corporation may indemnify any persons who are, or are threatened to be made, a party to any threatened, pending or completed action or suit by or in the right of the corporation by reason of the fact that such person was a director, officer, employee or agent of such corporation, or is or was serving at the request of such corporation as a director, officer, employee or agent of another corporation or enterprise. The indemnity may include expenses (including attorneys' fees) actually and reasonably incurred by such person in connection with the defense or settlement of such action or suit provided that such person acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the corporation's best interests except that no indemnification is permitted without judicial approval if the officer or director is adjudged to be liable to the corporation. Where an officer or director is successful on the merits or otherwise in the defense of any action referred to above, the corporation must indemnify him or her against the expenses which such officer or director has actually and reasonably incurred. Our certificate of incorporation and bylaws provide for the indemnification of our directors and officers to the fullest extent permitted under the Delaware General Corporation Law.

Section 102(b)(7) of the Delaware General Corporation Law permits a corporation to provide in its certificate of incorporation that a director of the corporation shall not be personally liable to the corporation or its stockholders for monetary damages for breach of fiduciary duties as a director, except for liability for any:

- transaction from which the director derives an improper personal benefit;
- act or omission not in good faith or that involves intentional misconduct or a knowing violation of law;
- unlawful payment of dividends or redemption of shares; or
- breach of a director's duty of loyalty to the corporation or its stockholders.

Our certificate of incorporation includes such a provision. Expenses incurred by any officer or director in defending any such action, suit or proceeding in advance of its final disposition shall be paid by us upon delivery to us of an undertaking, by or on behalf of such director or officer, to repay all amounts so advanced if it shall ultimately be determined that such director or officer is not entitled to be indemnified by us.

As permitted by the Delaware General Corporation Law, we have entered into indemnification agreements with our directors and executive officers. These agreements, among other things, require us to indemnify each director and officer to the fullest extent permitted by law and advance expenses to each indemnitee in connection with any proceeding in which indemnification is available.

At present, there is no pending litigation or proceeding involving any of our directors or executive officers as to which indemnification is required or permitted, and we are not aware of any threatened litigation or proceeding that may result in a claim for indemnification.

We have an insurance policy covering our officers and directors with respect to certain liabilities, including liabilities arising under the Securities Act.

ITEM 7. EXEMPTION FROM REGISTRATION CLAIMED.

Not Applicable.

ITEM 8. EXHIBITS.

EXHIBIT NUMBER	DESCRIPTION
<u>3.1</u>	<u>Tenth Amended and Restated Certificate of Incorporation of Onconova Therapeutics, Inc. (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K, filed with the Commission on July 30, 2013 (File No. 001-36020)).</u>
<u>3.2</u>	<u>Certificate of Amendment to Tenth Amended and Restated Certificate of Incorporation of Onconova Therapeutics, Inc. (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K, filed with the Commission on May 31, 2016 (File No. 001-36020)).</u>
<u>3.3</u>	<u>Certificate of Amendment to Tenth Amended and Restated Certificate of Incorporation of Onconova Therapeutics, Inc. as amended (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K, filed with the Commission on March 22, 2018 (File No. 001-36020)).</u>
<u>3.4</u>	<u>Certificate of Amendment to Tenth Amended and Restated Certificate of Incorporation of Onconova Therapeutics, Inc., as amended (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K, filed with the Commission on June 8, 2018 (File No. 001-36020)).</u>
<u>3.5</u>	<u>Certificate of Amendment to Tenth Amended and Restated Certificate of Incorporation of Onconova Therapeutics, Inc., as amended (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on September 25, 2018 (File No. 001-36020)).</u>
<u>3.6</u>	<u>Certificate of Amendment to Tenth Amended and Restated Certificate of Incorporation of Onconova Therapeutics, Inc., as amended (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on May 20, 2021 (File No. 001-36020)).</u>
<u>3.7</u>	<u>Certificate of Amendment to Tenth Amended and Restated Certificate of Incorporation of Onconova Therapeutics, Inc., as amended (incorporated by reference to Exhibit 3.2 to the Company's Current Report on Form 8-K filed on May 20, 2021 (File No. 001-36020)).</u>
<u>3.8</u>	<u>Certificate of Designation of Series A Convertible Preferred Stock (Incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on February 8, 2018 (File No. 001-36020)).</u>
<u>3.9</u>	<u>Certificate of Designation of Series B Convertible Preferred Stock (Incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on April 30, 2018 (File No. 001-36020)).</u>
<u>3.10</u>	<u>Amended and Restated Bylaws of Onconova Therapeutics, Inc. (incorporated by reference to Exhibit 3.2 to the Company's Current Report on Form 8-K, filed with the Commission on July 30, 2013 (File No. 001-36020)).</u>
<u>4.1</u>	<u>Form of Certificate of Common Stock (incorporated by reference to Exhibit 4.1 to Pre-Effective Amendment No. 1 to the Company's Registration Statement on Form S-1, filed with the Commission on July 11, 2013 (File No. 333-189358)).</u>
<u>5.1*</u>	<u>Opinion of Morgan, Lewis & Bockius LLP regarding the validity of the securities being registered.</u>
<u>10.1*</u>	<u>Onconova Therapeutics, Inc. 2021 Incentive Compensation Plan, as approved by stockholders.</u>
<u>23.1*</u>	<u>Consent of Ernst & Young LLP.</u>
<u>23.2*</u>	<u>Consent of Morgan, Lewis & Bockius LLP (included in Exhibit 5.1).</u>
<u>24.1*</u>	<u>Power of Attorney (included in signature page).</u>

* Filed herewith.

ITEM 9. UNDERTAKINGS.

(a) The undersigned Company 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 this Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information in this 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 (1)(i) and (1)(ii) do not apply if the information required to be included in a post-effective amendment is contained in reports filed with or furnished to the Commission by the Company pursuant to section 13 or section 15(d) of the Exchange Act that are incorporated by reference in the registration statement.

(2) That, for determining 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 the securities at that time 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.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the Company pursuant to the foregoing provisions, or otherwise, the Company 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 Company 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 Company 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.

(b) The undersigned Company hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the Company'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 this 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.

SIGNATURES

Pursuant to the requirements of the Securities Act, the Company 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 Newtown, Commonwealth of Pennsylvania, on the 30th day of July, 2021.

ONCONOVA THERAPEUTICS, INC.

By: /s/ Steven M. Fruchtman
Steven M. Fruchtman
Chief Executive Officer

POWER OF ATTORNEY

We, the undersigned officers and directors of Onconova Therapeutics, Inc., hereby severally constitute and appoint Steven M. Fruchtman and Mark Guerin, and each of them singly, our true and lawful attorneys with full power to them, and each of them singly, to sign for us and in our names in the capacities indicated below, the registration statement on Form S-8 filed herewith and any and all subsequent amendments to said registration statement, and generally to do all such things in our names and on our behalf in our capacities as officers and directors to enable Onconova Therapeutics, Inc. to comply with the provisions of the Securities Act of 1933, as amended, and all requirements of the Securities and Exchange Commission, hereby ratifying and confirming our signatures as they may be signed by our said attorneys, or any of them, to said registration statement and any and all amendments thereto.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Steven M. Fruchtman, M.D.</u> Steven M. Fruchtman, M.D.	Director, President and Chief Executive Officer <i>(Principal Executive Officer)</i>	July 30, 2021
<u>/s/ Mark Guerin</u> Mark Guerin	Chief Financial Officer <i>(Principal Financial Officer and Principal Accounting Officer)</i>	July 30, 2021
<u>/s/ James J. Marino</u> James J. Marino	Chairman, Board of Directors	July 30, 2021
<u>/s/ Jerome E. Groopman, M.D.</u> Jerome E. Groopman, M.D.	Director	July 30, 2021
<u>/s/ Viren Mehta, Ph.D.</u> Viren Mehta, Ph.D.	Director	July 30, 2021
<u>/s/ Mary Teresa Shoemaker</u> Mary Teresa Shoemaker	Director	July 30, 2021
<u>/s/ Jack E. Stover</u> Jack E. Stover	Director	July 30, 2021

Morgan Lewis

July 30, 2021

Onconova Therapeutics, Inc.
375 Pheasant Run
Newtown, PA 18940

Re: Onconova Therapeutics, Inc., Registration Statement on Form S-8 - Onconova Therapeutics, Inc. 2021 Incentive Compensation Plan

Ladies and Gentlemen:

We have acted as counsel to Onconova Therapeutics, Inc., a Delaware corporation (the “Company”), in connection with the preparation of a Registration Statement on Form S-8 (the “Registration Statement”) filed with the Securities and Exchange Commission under the Securities Act of 1933, as amended (the “Act”), relating to the registration of 1,325,111 shares of Common Stock, par value \$0.01 per share (the “Shares”), of the Company issuable in connection with the Onconova Therapeutics, Inc. 2021 Incentive Compensation Plan (the “Plan”).

In connection with this opinion letter, we have examined the Registration Statement and originals, or copies certified or otherwise identified to our satisfaction, of the Tenth Amended and Restated Certificate of Incorporation of the Company, as amended through the date hereof, the Amended and Restated By-laws of the Company, as amended through the date hereof, the Plan and such other documents, records and other instruments as we have deemed appropriate for the purposes of the opinion set forth herein.

We have assumed the genuineness of all signatures, the legal capacity of all natural persons, the authenticity of the documents submitted to us as originals, the conformity with the originals of all documents submitted to us as certified, facsimile or photostatic copies and the authenticity of the originals of all documents submitted to us as copies.

Based upon the foregoing, we are of the opinion that the Shares have been duly authorized by the Company and, when issued and delivered by the Company in the manner and on the terms described in the Plan, will be validly issued, fully paid and non-assessable.

The opinions expressed herein are limited to the General Corporation Law of the State of Delaware.

We hereby consent to the use of this opinion as Exhibit 5.1 to the Registration Statement. In giving such opinion, we do not thereby admit that we are acting within the category of persons whose consent is required under Section 7 of the Act or the rules or regulations of the Securities and Exchange Commission thereunder.

Very truly yours,

/s/ Morgan, Lewis & Bockius LLP

Morgan, Lewis & Bockius LLP

1701 Market Street
Philadelphia, PA 19103-2921
United States

+1.215.963.5000
+1.215.963.5001

ONCONOVA THERAPEUTICS, INC.

2021 INCENTIVE COMPENSATION PLAN

The purpose of the Onconova Therapeutics, Inc. 2021 Incentive Compensation Plan (the “Plan”) is to provide employees of Onconova Therapeutics, Inc. (the “Company”) and its subsidiaries, certain consultants and advisors who perform services for the Company or its subsidiaries, and non-employee members of the Board of Directors of the Company with the opportunity to receive grants of incentive stock options, nonqualified stock options, stock appreciation rights, stock awards, stock units and other stock-based awards.

The Plan is a successor to the Onconova Therapeutics, Inc. 2018 Omnibus Incentive Compensation Plan, as amended and restated (the “2018 Plan”), which was a successor to the Onconova Therapeutics, Inc. 2013 Equity Incentive Plan (together with the 2018 Plan, the “Prior Plans”). No additional grants have been or will be made under the 2018 Plan on and after the Effective Date. Outstanding grants under the Prior Plans shall continue in effect according to their terms, and the shares with respect to outstanding grants under the applicable Prior Plan shall be issued or transferred under the applicable Prior Plan.

The Company believes that the Plan will encourage the participants to contribute materially to the growth of the Company, thereby benefitting the Company’s stockholders, and will align the economic interests of the participants with those of the stockholders.

Section 1. Definitions

The following terms shall have the meanings set forth below for purposes of the Plan:

- (a) “2018 Plan” shall have the meaning given to it in the preamble.
 - (b) “Award” shall mean an Option, SAR, Stock Award, Stock Unit or Other Stock-Based Award granted under the Plan.
 - (c) “Award Agreement” shall mean the written agreement that sets forth the terms and conditions of an Award, including all amendments thereto.
 - (d) “Board” shall mean the Board of Directors of the Company.
 - (e) “Cause” shall have the meaning given to that term in any written employment agreement, offer letter, consulting agreement or severance agreement between the Employer and the Participant, or if no such agreement exists or if such term is not defined therein, and unless otherwise defined in the Award Agreement, “Cause” shall mean a finding by the Committee of conduct involving one or more of the following: (i) the substantial and continuing failure of the Participant, after notice thereof, to render services to the Company or its subsidiaries in accordance with the terms or requirements of his or her employment, engagement as a Non-Employee Director or a Key Advisor; (ii) disloyalty, gross negligence, willful misconduct, dishonesty or breach of fiduciary duty to the Company or a Subsidiary; (iii) the commission of an act of embezzlement or fraud; (iv) deliberate disregard of the rules or policies of the Company or a Subsidiary which results in direct or indirect loss, damage or injury to the Company or a Subsidiary; (v) the unauthorized disclosure of any trade secret or confidential information of the Company or a Subsidiary; or (vi) the Participant’s breach of any written non-competition, non-solicitation, invention assignment or confidentiality agreement between the Participant and the Company or any of its subsidiaries.
 - (f) “CEO” shall mean the Chief Executive Officer of the Company.
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(g) A “Change in Control” shall be deemed to have occurred if:

(i) the acquisition, directly or indirectly, by a “person” (within the meaning of Section 13(d)(3) of the Exchange Act) (a “Person”) of beneficial ownership (within the meaning of Rule 13d-3 promulgated under the Exchange Act) of more than 50% of the combined voting power of the voting securities of the Company entitled to vote generally in the election of directors (the “Voting Securities”); provided, however, that the following acquisitions of Voting Securities shall not constitute a Change in Control: (A) any acquisition by or from the Company or any of its subsidiaries, or by any employee benefit plan (or related trust) sponsored or maintained by the Company or any of its subsidiaries, (B) any acquisition by any underwriter in any firm commitment underwriting of securities to be issued by the Company, or (C) any acquisition by any corporation (or other entity) if, immediately following such acquisition, 50% or more of the then outstanding shares of common stock (or other equity unit) of such corporation (or other entity) and the combined voting power of the then outstanding voting securities of such corporation (or other entity), are beneficially owned, directly or indirectly, by all or substantially all of the individuals or entities who, immediately prior to such acquisition, were the beneficial owners of the then outstanding shares of Common Stock and the Voting Securities in substantially the same proportions, respectively, as their ownership immediately prior to the acquisition of the shares of Common Stock and Voting Securities; or

(ii) the consummation of the sale or other disposition of all or substantially all of the assets of the Company, other than to a wholly-owned subsidiary of the Company or to a holding company of which the Company is a direct or indirect wholly owned subsidiary prior to such transaction; or

(iii) the consummation of a reorganization, merger or consolidation of the Company, other than a reorganization, merger or consolidation, which would result in the Voting Securities outstanding immediately prior to the transaction continuing to represent (whether by remaining outstanding or by being converted to voting securities of the surviving entity) 65% or more of the Voting Securities or the voting power of the voting securities of such surviving entity outstanding immediately after such transaction; or

(iv) the consummation of a plan of complete liquidation of the Company; or

(v) the following individuals cease for any reason to constitute a majority of the Board: individuals who, as of the Effective Date, constitute the Board and any new director (other than a director whose initial assumption of office is in connection with an actual or threatened election contest, including, but not limited to, a consent solicitation relating to the election of directors of the Company) whose appointment or election by the Board or nomination for election by the Company’s stockholders was approved and recommended by a vote of at least two-thirds of the directors then still in office who either were directors on the Effective Date or whose appointment, election or nomination for election was previously so approved or recommended.

Notwithstanding the foregoing, if an Award constitutes deferred compensation subject to section 409A of the Code and the Award provides for payment upon a Change in Control, then, for purposes of such payment provisions, no Change in Control shall be deemed to have occurred upon an event described in items (i) – (v) above unless the event would also constitute a change in ownership or effective control of, or a change in the ownership of a substantial portion of the assets of, the Company under section 409A of the Code.

(h) “Code” shall mean the Internal Revenue Code of 1986, as amended, and the regulations promulgated thereunder.

(i) “Committee” shall mean the Compensation Committee of the Board or another committee appointed by the Board to administer the Plan. The Committee shall also consist of directors who are “non-employee directors” as defined under Rule 16b-3 promulgated under the Exchange Act and “independent directors,” as determined in accordance with the independence standards established by the stock exchange on which the Common Stock is at the time primarily traded.

(j) “Common Stock” shall mean common stock of the Company.

(k) “Company” shall mean Onconova Therapeutics, Inc. as defined in the preamble and shall include its successors.

(l) “Disability” or “Disabled” shall mean, unless otherwise set forth in the Award Agreement, a Participant’s becoming disabled within the meaning of the Employer’s long-term disability plan applicable to the Participant, or, if there is no such plan, a physical or mental condition that prevents the Participant from performing the essential functions of the Participant’s position (with or without reasonable accommodation) for a period of six consecutive months.

(m) “Dividend Equivalent” shall mean an amount determined by multiplying the number of shares of Common Stock subject to a Stock Unit or Other Stock-Based Award by the per-share cash dividend paid by the Company on its outstanding Common Stock, or the per-share Fair Market Value of any dividend paid on its outstanding Common Stock in consideration other than cash. If interest is credited on accumulated dividend equivalents, the term “Dividend Equivalent” shall include the accrued interest.

(n) “Effective Date” shall mean the date of stockholder approval of the Plan.

(o) “Employee” shall mean an employee of the Employer (including an officer or director who is also an employee), but excluding any person who is classified by the Employer as a “contractor” or “consultant,” no matter how characterized by the Internal Revenue Service, other governmental agency or a court. Any change of characterization of an individual by the Internal Revenue Service or any court or government agency shall have no effect upon the classification of an individual as an Employee for purposes of this Plan, unless the Committee determines otherwise.

(p) “Employed by, or providing service to, the Employer” shall mean employment or service as an Employee, Key Advisor or member of the Board (so that, for purposes of exercising Options and SARs and satisfying conditions with respect to Stock Awards, Stock Units and Other Stock-Based Awards, a Participant shall not be considered to have terminated employment or service until the Participant ceases to be an Employee, Key Advisor and member of the Board), unless the Committee determines otherwise. If a Participant’s relationship is with a subsidiary of the Company and that entity ceases to be a subsidiary of the Company, the Participant will be deemed to cease employment or service when the entity ceases to be a subsidiary of the Company, unless the Participant transfers employment or service to an Employer.

(q) “Employer” shall mean the Company and its subsidiaries.

(r) “Exchange Act” shall mean the Securities Exchange Act of 1934, as amended.

(s) “Exercise Price” shall mean the per share price at which shares of Common Stock may be purchased under an Option, as designated by the Committee.

(t) “Fair Market Value” shall mean:

(i) If the Common Stock is publicly traded, the Fair Market Value per share shall be determined as follows: (A) if the principal trading market for the Common Stock is a national securities exchange, the closing sales price during regular trading hours on the relevant date or, if there were no trades on that date, the latest preceding date upon which a sale was reported, or (B) if the Common Stock is not principally traded on any such exchange, the last reported sale price of a share of Common Stock during regular trading hours on the relevant date, as reported by the OTC Bulletin Board.

(ii) If the Common Stock is not publicly traded or, if publicly traded, is not subject to reported transactions as set forth above, the Fair Market Value per share shall be determined by the Committee through any reasonable valuation method authorized under the Code.

(u) “Incentive Stock Option” shall mean an Option that is intended to meet the requirements of an incentive stock option under section 422 of the Code.

(v) “Key Advisor” shall mean a consultant or advisor of the Employer.

- (w) “Non-Employee Director” shall mean a member of the Board who is not an Employee.
- (x) “Nonqualified Stock Option” shall mean an Option that is not intended to be taxed as an incentive stock option under section 422 of the Code.
- (y) “Option” shall mean an option to purchase shares of Common Stock, as described in Section 6.
- (z) “Other Stock-Based Award” shall mean any Award based on, measured by or payable in Common Stock (other than an Option, Stock Unit, Stock Award, or SAR), as described in Section 10.
- (aa) “Participant” shall mean an Employee, Key Advisor or Non-Employee Director designated by the Committee to participate in the Plan.
- (bb) “Performance Objectives” shall mean the performance objectives established in the sole discretion of the Committee for Participants who are eligible to receive Awards under the Plan. Performance Objectives may be described in terms of Company-wide objectives or objectives that are related to the performance of the individual Participant or the subsidiary, division, department or function within the Company or one of its subsidiaries in which the Participant is employed. Performance Objectives may be measured on an absolute or relative basis. Relative performance may be measured by a group of peer companies or by a financial market index. Any Performance Objectives may include: specified levels of or increases in the Company’s, a division’s or a subsidiary’s return on capital, equity or assets; earnings measures/ratios (on a gross, net, pre-tax or post-tax basis), including basic earnings per share, diluted earnings per share, total earnings, operating earnings, earnings growth, earnings before interest and taxes and earnings before interest, taxes, depreciation and amortization; net economic profit (which is operating earnings minus a charge to capital); net income; operating income; sales; sales growth; gross margin; direct margin; costs; stock price (including but not limited to growth measures and total stockholder return); operating profit; per period or cumulative cash flow (including but not limited to operating cash flow and free cash flow) or cash flow return on investment (which equals net cash flow divided by total capital); inventory turns; financial return ratios; market share; balance sheet measurements such as receivable turnover; improvement in or attainment of expense levels; improvement in or attainment of working capital levels; debt reduction; strategic innovation; customer or employee satisfaction; the consummation of one or more acquisitions of a certain size as measured by one or more of the financial criteria listed above; individual objectives; regulatory body approval for commercialization of a product; implementation or completion of critical projects (including, but not limited to, milestones such as clinical trial enrollment targets, commencement of phases of clinical trials and completion of phases of clinical trials); and any combination of the foregoing.
- (cc) “Plan” shall mean this Onconova Therapeutics, Inc. 2021 Incentive Compensation Plan as defined in the preamble, as may be in effect from time to time.
- (dd) “Prior Plans” shall have the meaning given to the term in the preamble.
- (ee) “Restriction Period” shall have the meaning given that term in Section 7(a).
- (ff) “SAR” shall mean a stock appreciation right, as described in Section 9.
- (gg) “Stock Award” shall mean an award of Common Stock, as described in Section 7.
- (hh) “Stock Unit” shall mean an award of a phantom unit representing a share of Common Stock, as described in Section 8.
- (ii) “Substitute Awards” shall have the meaning given that term in Section 4(c).

Section 2. Administration

(a) Committee. The Plan shall be administered and interpreted by the Committee. The Committee may delegate authority to one or more subcommittees, as it deems appropriate. Subject to compliance with applicable law and the applicable stock exchange rules, the Board, in its discretion, may perform any action of the Committee hereunder. To the extent that the Board, the Committee, a subcommittee or the CEO, as described below, administers the Plan, references in the Plan to the "Committee" shall be deemed to refer to the Board, the Committee or such subcommittee or the CEO.

(b) Delegation to CEO. Subject to compliance with applicable law and applicable stock exchange requirements, the Committee may delegate all or part of its authority and power to the CEO, as it deems appropriate, with respect to Awards to Employees or Key Advisors who are not executive officers or directors under section 16 of the Exchange Act.

(c) Committee Authority. The Committee shall have the sole authority to (i) determine the individuals to whom Awards shall be made under the Plan, (ii) determine the type, size, terms and conditions of the Awards to be made to each such individual, (iii) determine the time when the Awards will be made and the duration of any applicable exercise or restriction period, including the criteria for exercisability and the acceleration of exercisability, (v) amend the terms of any previously issued Award, subject to the provisions of Section 17 below, and (vi) deal with any other matters arising under the Plan.

(d) Committee Determinations. The Committee shall have full power and express discretionary authority to administer and interpret the Plan, to make factual determinations and to adopt or amend such rules, regulations, agreements and instruments for implementing the Plan and for the conduct of its business as it deems necessary or advisable, in its sole discretion. The Committee's interpretations of the Plan and all determinations made by the Committee pursuant to the powers vested in it hereunder shall be conclusive and binding on all persons having any interest in the Plan or in any awards granted hereunder. All powers of the Committee shall be executed in its sole discretion, in the best interest of the Company, not as a fiduciary, and in keeping with the objectives of the Plan and need not be uniform as to similarly situated individuals.

(e) Indemnification. No member of the Committee or the Board, and no employee of the Company shall be liable for any act or failure to act with respect to the Plan, except in circumstances involving his or her bad faith or willful misconduct, or for any act or failure to act hereunder by any other member of the Committee or employee or by any agent to whom duties in connection with the administration of this Plan have been delegated. The Company shall indemnify members of the Committee and the Board and any agent of the Committee or the Board who is an employee of the Company or a subsidiary against any and all liabilities or expenses to which they may be subjected by reason of any act or failure to act with respect to their duties on behalf of the Plan, except in circumstances involving such person's bad faith or willful misconduct.

Section 3. Awards

(a) General. Awards under the Plan may consist of Options as described in Section 6, Stock Awards as described in Section 7, Stock Units as described in Section 8, SARs as described in Section 9 and Other Stock-Based Awards as described in Section 10. All Awards shall be subject to the terms and conditions set forth herein and to such other terms and conditions consistent with this Plan as the Committee deems appropriate and as are specified in writing by the Committee to the individual in the Award Agreement. All Awards shall be made conditional upon the Participant's acknowledgement, in writing or by acceptance of the Award, that all decisions and determinations of the Committee shall be final and binding on the Participant, his or her beneficiaries and any other person having or claiming an interest under such Award. Awards under a particular Section of the Plan need not be uniform as among the Participants. Notwithstanding anything to the contrary herein, any dividends or Dividend Equivalents granted in connection with Awards under the Plan shall vest and be paid only if and to the extent the underlying Awards vest and are paid.

(b) Minimum Vesting. Awards granted under the Plan shall include regular vesting schedules that provide that no portion of an Award will vest earlier than one year from the date of grant. However, subject to adjustments made in accordance with Section 4(e) below, up to five percent (5%) of the shares of Common Stock subject to the aggregate share reserve set forth in Section 4(a) as of the Effective Date may be granted without regard to this minimum vesting requirement.

Section 4. *Shares Subject to the Plan*

(a) Shares Authorized. Subject to adjustment as described below in Sections 4(b) and 4(e), the maximum aggregate number of shares of Common Stock that may be issued or transferred under the Plan with respect to Awards made under the Plan on and after the Effective Date shall be 1,300,000 shares. In addition, any shares of Common Stock that remained available for awards under the 2018 Plan as of the Effective Date and any shares of Common Stock subject to outstanding awards under the Prior Plans as of the Effective Date that are payable in shares and that terminate, expire, or are cancelled, forfeited, exchanged or surrendered without having been exercised, vested or paid in shares, on or after the Effective Date, subject to adjustment as provided in Section 3(e) below), may be issued with respect to Awards under this Plan. The aggregate number of shares of Common Stock that may be issued or transferred under the Plan pursuant to Incentive Stock Options granted on and after the Effective Date shall not exceed 1,300,000 shares of Common Stock.

(b) Source of Shares; Share Counting. Shares issued or transferred under the Plan may be authorized but unissued shares of Common Stock or reacquired shares of Common Stock, including shares purchased by the Company on the open market for purposes of the Plan. If and to the extent Options or SARs granted under the Plan or options granted under the Prior Plans terminate, expire or are canceled, forfeited, exchanged or surrendered without having been exercised, or if any Stock Awards, Stock Units, or Other Stock-Based Awards are forfeited, terminated or otherwise not paid in full, the shares subject to such Awards shall again be available for purposes of the Plan. Shares surrendered in payment of the Exercise Price of an Option (including an option granted under the Prior Plans that is exercised on or after the Effective Date) shall not be available for re-issuance under the Plan. Shares of Common Stock withheld or surrendered for payment of taxes with respect to Awards (including options granted under the Prior Plans) shall not be available for re-issuance under the Plan. If SARs are granted, the full number of shares subject to the SARs shall be considered issued under the Plan, without regard to the number of shares issued upon exercise of the SARs. To the extent any Awards are paid in cash, and not in shares of Common Stock, any shares previously subject to such Awards shall again be available for issuance or transfer under the Plan. For the avoidance of doubt, if shares are repurchased by the Company on the open market with the proceeds of the Exercise Price of Options (including options granted under the Prior Plans), such shares may not again be made available for issuance under the Plan

(c) Substitute Awards. Shares issued or transferred under Awards made pursuant to an assumption, substitution or exchange for previously granted awards of a company acquired by the Company in a transaction ("Substitute Awards") shall not reduce the number of shares of Common Stock available under the Plan and available shares under a stockholder approved plan of an acquired company (as appropriately adjusted to reflect the transaction) may be used for Awards under the Plan and shall not reduce the Plan's share reserve (subject to applicable stock exchange listing and Code requirements).

(d) Individual Non-Employee Director Limit. Subject to adjustment as described below in Section 4(e), the maximum aggregate grant date value of shares of Common Stock subject to Awards granted to any Non-Employee Director during any calendar year for services rendered as a Non-Employee Director, taken together with any cash fees earned by such Non-Employee Director for services rendered as a Non-Employee Director during the calendar year, shall not exceed \$300,000 in total value. For purposes of the limits set forth in this Section 4(d), the value of such Awards shall be calculated based on the grant date fair value of such Awards for financial reporting purposes.

(e) Adjustments. If there is any change in the number or kind of shares of Common Stock outstanding by reason of (i) a stock dividend, spinoff, recapitalization, stock split, reverse stock split or combination or exchange of shares, (ii) a merger, reorganization or consolidation, (iii) a reclassification or change in par value, or (iv) any other unusual or infrequently occurring event affecting the outstanding Common Stock as a class without the Company's receipt of consideration, or if the value of outstanding shares of Common Stock is substantially reduced as a result of a spinoff or the Company's payment of an extraordinary dividend or distribution, the maximum number and kind of shares of Common Stock available for issuance under the Plan, the maximum number and kind of shares of Common Stock for which any individual may receive Awards in any year, the kind and number of shares covered by outstanding Awards, the kind and number of shares issued and to be issued under the Plan, and the price per share or the applicable market value of such Awards shall be equitably adjusted by the Committee to reflect any increase or decrease in the number of, or change in the kind or value of, the issued shares of Common Stock to preclude, to the extent practicable, the enlargement or dilution of rights and benefits under the Plan and such outstanding Awards; provided, however, that any fractional shares resulting from such adjustment shall be eliminated. In addition, in the event of a Change in Control, the provisions of Section 12 of the Plan shall apply. Any adjustments to outstanding Awards shall be consistent with section 409A or 424 of the Code, to the extent applicable. Subject to Section 17(b) below, the adjustments of Awards under this Section 4(e) shall include adjustment of shares, Exercise Price of Stock Options, base amount of SARs, Performance Objectives or other terms and conditions, as the Committee deems appropriate. The Committee shall have the sole discretion and authority to determine what appropriate adjustments shall be made and any adjustments determined by the Committee shall be final, binding and conclusive.

Section 5. Eligibility for Participation

(a) Eligible Persons. All Employees and Non-Employee Directors shall be eligible to participate in the Plan. Key Advisors shall be eligible to participate in the Plan if the Key Advisors render bona fide services to the Employer, the services are not in connection with the offer and sale of securities in a capital-raising transaction and the Key Advisors do not directly or indirectly promote or maintain a market for the Company's securities.

(b) Selection of Participants. The Committee shall select the Employees, Non-Employee Directors and Key Advisors to receive Awards and shall determine the number of shares of Common Stock subject to a particular Award in such manner as the Committee determines.

Section 6. Options

The Committee may grant Options to an Employee, Non-Employee Director or Key Advisor upon such terms as the Committee deems appropriate. The following provisions are applicable to Options:

(a) Number of Shares. The Committee shall determine the number of shares of Common Stock that will be subject to each Award of Options to Employees, Non-Employee Directors and Key Advisors.

(b) Type of Option and Exercise Price.

(i) The Committee may grant Incentive Stock Options or Nonqualified Stock Options or any combination of the two, all in accordance with the terms and conditions set forth herein. Incentive Stock Options may be granted only to employees of the Company or its parent or subsidiary corporations, as defined in section 424 of the Code. Nonqualified Stock Options may be granted to Employees, Non-Employee Directors and Key Advisors.

(ii) The Exercise Price of Common Stock subject to an Option shall be determined by the Committee and shall be equal to or greater than the Fair Market Value of a share of Common Stock on the date the Option is granted. However, an Incentive Stock Option may not be granted to an Employee who, at the time of grant, owns stock possessing more than 10% of the total combined voting power of all classes of stock of the Company, or any parent or subsidiary corporation of the Company, as defined in section 424 of the Code, unless the Exercise Price per share is not less than 110% of the Fair Market Value of a share of Common Stock on the date of grant.

(c) Option Term. The Committee shall determine the term of each Option. The term of any Option shall not exceed ten years from the date of grant. However, an Incentive Stock Option that is granted to an Employee who, at the time of grant, owns stock possessing more than 10% of the total combined voting power of all classes of stock of the Company, or any parent or subsidiary corporation of the Company, as defined in section 424 of the Code, may not have a term that exceeds five years from the date of grant. Notwithstanding the foregoing, in the event that on the last business day of the term of an Option (other than an Incentive Stock Option), the exercise of the Option is prohibited by applicable law, including a prohibition on purchases or sales of Common Stock under the Company's insider trading policy, the term of the Option shall be extended for a period of 30 days following the end of the legal prohibition, unless the Committee determines otherwise.

(d) Exercisability of Options. Subject to Section 3(b), Options shall become exercisable in accordance with such terms and conditions, consistent with the Plan, as may be determined by the Committee and specified in the Award Agreement. Subject to the limitations set forth in Section 12, the Committee may accelerate the exercisability of any or all outstanding Options at any time for any reason.

(e) Awards to Non-Exempt Employees. Notwithstanding the foregoing, Options granted to persons who are non-exempt employees under the Fair Labor Standards Act of 1938, as amended, may not be exercisable for at least six months after the date of grant (except that such Options may become exercisable, as determined by the Committee, upon the Participant's death, Disability or retirement, or upon a Change in Control or other circumstances permitted by applicable regulations).

(f) Termination of Employment or Service. Except as provided in the Award Agreement, an Option may only be exercised while the Participant is employed by, or providing services to, the Employer. The Committee shall determine in the Award Agreement under what circumstances and during what time periods a Participant may exercise an Option after termination of employment or service.

(g) Exercise of Options. A Participant may exercise an Option that has become exercisable, in whole or in part, by delivering a notice of exercise to the Company. The Participant shall pay the Exercise Price for an Option as specified by the Committee (i) in cash or by check, (ii) unless the Committee determines otherwise, by delivering shares of Common Stock owned by the Participant and having a Fair Market Value on the date of exercise at least equal to the Exercise Price or by attestation (on a form prescribed by the Committee) to ownership of shares of Common Stock having a Fair Market Value on the date of exercise at least equal to the Exercise Price, (iii) by payment through a broker in accordance with procedures permitted by Regulation T of the Federal Reserve Board, (iv) if permitted by the Committee, by withholding shares of Common Stock subject to the exercisable Option, which have a Fair Market Value on the date of exercise equal to the Exercise Price, or (v) by such other method as the Committee may approve. Shares of Common Stock used to exercise an Option shall have been held by the Participant for the requisite period of time necessary to avoid adverse accounting consequences to the Company with respect to the Option. Payment for the shares to be issued or transferred pursuant to the Option, and any required withholding taxes, must be received by the Company by the time specified by the Committee depending on the type of payment being made, but in all cases prior to the issuance or transfer of such shares.

(h) Limits on Incentive Stock Options. Each Incentive Stock Option shall provide that, if the aggregate Fair Market Value of the Common Stock on the date of the grant with respect to which Incentive Stock Options are exercisable for the first time by a Participant during any calendar year, under the Plan or any other stock option plan of the Company or a parent or subsidiary, exceeds \$100,000, then the Option, as to the excess, shall be treated as a Nonqualified Stock Option.

Section 7. Stock Awards

The Committee may issue or transfer shares of Common Stock to an Employee, Non-Employee Director or Key Advisor under a Stock Award, upon such terms as the Committee deems appropriate. The following provisions are applicable to Stock Awards:

(a) General Requirements. Shares of Common Stock issued pursuant to Stock Awards may be issued for consideration or for no consideration, and subject to restrictions or no restrictions, as determined by the Committee. Subject to Section 3(b), the Committee may, but shall not be required to, establish conditions under which restrictions on Stock Awards shall lapse over a period of time or according to such other criteria as the Committee deems appropriate, including, without limitation, restrictions based upon the achievement of specific Performance Objectives. The period of time during which the Stock Awards will remain subject to restrictions will be designated in the Award Agreement as the "Restriction Period."

(b) Number of Shares. The Committee shall determine the number of shares of Common Stock to be issued or transferred pursuant to a Stock Award and the restrictions applicable to such shares.

(c) Requirement of Employment or Service. If the Participant ceases to be employed by, or provide service to, the Employer during a period designated in the Award Agreement as the Restriction Period, or if other specified conditions are not met, the Stock Award shall terminate as to all shares covered by the Award as to which the restrictions have not lapsed, and those shares of Common Stock must be immediately returned to the Company. Subject to the limitations set forth in Section 12, the Committee may, however, provide for complete or partial exceptions to this requirement as it deems appropriate.

(d) Restrictions on Transfer and Legend on Stock Certificate. During the Restriction Period, a Participant may not sell, assign, transfer, pledge or otherwise dispose of the shares of a Stock Award except under Section 15 below. Unless otherwise determined by the Committee, the Company will retain possession of certificates for shares of Stock Awards until all restrictions on such shares have lapsed. Each certificate for a Stock Award, unless held by the Company, shall contain a legend giving appropriate notice of the restrictions in the Award. The Participant shall be entitled to have the legend removed from the stock certificate covering the shares subject to restrictions when all restrictions on such shares have lapsed. The Committee may determine that the Company will not issue certificates for Stock Awards until all restrictions on such shares have lapsed.

(e) Right to Vote and to Receive Dividends. Unless the Committee determines otherwise, during the Restriction Period, the Participant shall have the right to vote shares of Stock Awards and to receive any dividends or other distributions paid on such shares, subject to any restrictions deemed appropriate by the Committee, including, without limitation, the achievement of specific Performance Objectives; provided, however, that dividends shall vest and be paid only if and to the extent that the underlying Stock Award vests and is paid.

(f) Lapse of Restrictions. All restrictions imposed on Stock Awards shall lapse upon the expiration of the applicable Restriction Period and the satisfaction of all conditions, if any, imposed by the Committee. The Committee may determine, as to any or all Stock Awards, that the restrictions shall lapse without regard to any Restriction Period.

Section 8. Stock Units

The Committee may grant Stock Units, each of which shall represent one hypothetical share of Common Stock, to an Employee, Non-Employee Director or Key Advisor upon such terms and conditions as the Committee deems appropriate. The following provisions are applicable to Stock Units:

(a) Crediting of Units. Each Stock Unit shall represent the right of the Participant to receive a share of Common Stock or an amount of cash based on the value of a share of Common Stock, if and when specified conditions are met. All Stock Units shall be credited to bookkeeping accounts established on the Company's records for purposes of the Plan.

(b) Terms of Stock Units. Subject to Section 3(b), the Committee may grant Stock Units that vest and are payable if specified Performance Objectives or other conditions are met, or under other circumstances. Stock Units may be paid at the end of a specified performance period or other period, or payment may be deferred to a date authorized by the Committee. Subject to the limitations set forth in Section 12, the Committee may accelerate vesting or payment, as to any or all Stock Units at any time for any reason, provided such acceleration complies with section 409A of the Code. The Committee shall determine the number of Stock Units to be granted and the requirements applicable to such Stock Units.

(c) Requirement of Employment or Service. If the Participant ceases to be employed by, or provide service to, the Employer prior to the vesting of Stock Units, or if other conditions established by the Committee are not met, the Participant's Stock Units shall be forfeited. The Committee may, however, provide for complete or partial exceptions to this requirement as it deems appropriate.

(d) Payment With Respect to Stock Units. Payments with respect to Stock Units shall be made in cash, Common Stock or any combination of the foregoing, as the Committee shall determine.

Section 9. Stock Appreciation Rights

The Committee may grant SARs to an Employee, Non-Employee Director or Key Advisor separately or in tandem with any Option. The following provisions are applicable to SARs:

(a) General Requirements. The Committee may grant SARs to an Employee, Non-Employee Director or Key Advisor separately or in tandem with any Option (for all or a portion of the applicable Option). Tandem SARs may be granted either at the time the Option is granted or at any time thereafter while the Option remains outstanding; provided, however, that, in the case of an Incentive Stock Option, SARs may be granted only at the time of the grant of the Incentive Stock Option. The Committee shall establish the base amount of the SAR at the time the SAR is granted. The base amount of each SAR shall be equal to or greater than the Fair Market Value of a share of Common Stock as of the date of grant of the SAR. The term of any SAR shall not exceed ten years from the date of grant. Notwithstanding the foregoing, in the event that on the last business day of the term of a SAR, the exercise of the SAR is prohibited by applicable law, including a prohibition on purchases or sales of Common Stock under the Company's insider trading policy, the term shall be extended for a period of 30 days following the end of the legal prohibition, unless the Committee determines otherwise.

(b) Tandem SARs. In the case of tandem SARs, the number of SARs granted to a Participant that shall be exercisable during a specified period shall not exceed the number of shares of Common Stock that the Participant may purchase upon the exercise of the related Option during such period. Upon the exercise of an Option, the SARs relating to the Common Stock covered by such Option shall terminate. Upon the exercise of SARs, the related Option shall terminate to the extent of an equal number of shares of Common Stock.

(c) Exercisability. Subject to Section 3(b), an SAR shall be exercisable during the period specified by the Committee in the Award Agreement and shall be subject to such vesting and other restrictions as may be specified in the Award Agreement. Subject to the limitations set forth in Section 12, the Committee may accelerate the exercisability of any or all outstanding SARs at any time for any reason. SARs may only be exercised while the Participant is employed by, or providing service to, the Employer or during the applicable period after termination of employment or service as specified by the Committee. A tandem SAR shall be exercisable only during the period when the Option to which it is related is also exercisable.

(d) Grants to Non-Exempt Employees. Notwithstanding the foregoing, SARs granted to persons who are non-exempt employees under the Fair Labor Standards Act of 1938, as amended, may not be exercisable for at least six months after the date of grant (except that such SARs may become exercisable, as determined by the Committee, upon the Participant's death, Disability or retirement, or upon a Change in Control or other circumstances permitted by applicable regulations).

(e) Value of SARs. When a Participant exercises SARs, the Participant shall receive in settlement of such SARs an amount equal to the value of the stock appreciation for the number of SARs exercised. The stock appreciation for an SAR is the amount by which the Fair Market Value of the underlying Common Stock on the date of exercise of the SAR exceeds the base amount of the SAR as described in subsection (a).

(f) Form of Payment. The appreciation in an SAR shall be paid in shares of Common Stock, cash or any combination of the foregoing, as the Committee shall determine. For purposes of calculating the number of shares of Common Stock to be received, shares of Common Stock shall be valued at their Fair Market Value on the date of exercise of the SAR.

Section 10. Other Stock-Based Awards

The Committee may grant Other Stock-Based Awards, which are awards (other than those described in Sections 6, 7, 8 and 9 of the Plan) that are based on or measured by Common Stock, to any Employee, Non-Employee Director or Key Advisor, on such terms and conditions as the Committee shall determine. Subject to Section 3(b), Other Stock-Based Awards may be awarded subject to the achievement of Performance Objectives or other criteria or other conditions and may be payable in cash, Common Stock or any combination of the foregoing, as the Committee shall determine.

Section 11. Dividend Equivalents

The Committee may grant Dividend Equivalents in connection with Stock Units or Other Stock-Based Awards. Subject to Section 3(b), Dividend Equivalents may be payable in cash or shares of Common Stock, and upon such terms and conditions as the Committee shall determine; provided that Dividend Equivalents shall vest and be paid only if and to the extent the underlying Stock Units or Other Stock-Based Awards vest and are paid. For the avoidance of doubt, no dividends or Dividend Equivalents will be granted in connection with Stock Options or SARs.

Section 12. Consequences of a Change in Control

(a) Assumption of Outstanding Awards. Upon a Change in Control where the Company is not the surviving corporation (or survives only as a subsidiary of another corporation), all outstanding Awards that are not exercised or paid at the time of the Change in Control shall be assumed by, or replaced with grants that have comparable terms by, the surviving corporation (or a parent or subsidiary of the surviving corporation). In the event that the surviving corporation (or a parent or subsidiary of the surviving corporation) does not assume or replace Awards with grants that have comparable terms, outstanding Stock Options and SARs shall automatically accelerate and become fully exercisable and the restrictions and conditions on outstanding Stock Awards, Stock Units, Other Stock-Based Awards and Dividend Equivalents shall immediately lapse, provided that if the vesting of any such Awards is based, in whole or in part, on performance, such Awards shall vest based on the greater of (i) actual performance as of the Change in Control or (ii) target performance, pro-rated based on the period elapsed between the beginning of the applicable performance period and the date of the Change in Control. After a Change in Control, references to the “Company” as they relate to employment matters shall include the successor employer in the transaction, subject to applicable law.

(b) Vesting Upon Certain Terminations of Employment. At the Committee’s discretion, if Awards are assumed by, or replaced with grants that have comparable terms by, the surviving corporation (or a parent or subsidiary of the surviving corporation) and if a Participant incurs an involuntary termination of employment or service on or after a Change in Control, the Participant’s outstanding Awards may become vested, in whole or in part, as of the date of such termination; provided that if the vesting of any such Awards is based, in whole or in part, on performance, such Awards shall vest only based on the greater of (i) actual performance as of the date of Change in Control or (ii) target performance, pro-rated based on the period elapsed between the beginning of the applicable performance period and the date of the termination.

(c) Other Alternatives. In the event of a Change in Control, if any outstanding Awards are not assumed by, or replaced with grants that have comparable terms by, the surviving corporation (or a parent or subsidiary of the surviving corporation), the Committee may take any of the following actions with respect to any or all outstanding Awards, without the consent of any Participant: (i) the Committee may determine that Participants shall receive a payment in settlement of outstanding Stock Units, Other Stock-Based Awards or Dividend Equivalents, in such amount and form as may be determined by the Committee; (ii) the Committee may require that Participants surrender their outstanding Stock Options and SARs in exchange for a payment by the Company, in cash or Common Stock as determined by the Committee, in an amount equal to the amount, if any, by which the then Fair Market Value of the shares of Common Stock subject to the Participant’s unexercised Stock Options and SARs exceeds the Stock Option Exercise Price or SAR base amount, and (iii) after giving Participants an opportunity to exercise all of their outstanding Stock Options and SARs, the Committee may terminate any or all unexercised Stock Options and SARs at such time as the Committee deems appropriate. Such surrender, termination or payment shall take place as of the date of the Change in Control or such other date as the Committee may specify. Without limiting the foregoing, if the per share Fair Market Value of the Common Stock does not exceed the per share Stock Option Exercise Price or SAR base amount, as applicable, the Company shall not be required to make any payment to the Participant upon surrender of the Stock Option or SAR.

Section 13. Deferrals

The Committee may permit or require a Participant to defer receipt of the payment of cash or the delivery of shares that would otherwise be due to such Participant in connection with any Award. If any such deferral election is permitted or required, the Committee shall establish rules and procedures for such deferrals and may provide for interest or other earnings to be paid on such deferrals. The rules and procedures for any such deferrals shall be consistent with applicable requirements of section 409A of the Code.

Section 14. Withholding of Taxes

(a) Required Withholding. All Awards under the Plan shall be subject to applicable United States federal (including FICA), state and local, foreign country or other tax withholding requirements. The Employer may require that the Participant or other person receiving Awards or exercising Awards pay to the Employer an amount sufficient to satisfy such tax withholding requirements with respect to such Awards, or the Employer may deduct from other wages and compensation paid by the Employer the amount of any withholding taxes due with respect to such Awards.

(b) Share Withholding. The Committee may permit or require the Employer's tax withholding obligation with respect to Awards paid in Common Stock to be satisfied by having shares withheld up to an amount that does not exceed the Participant's applicable withholding tax rate for United States federal (including FICA), state and local, foreign country or other tax liabilities. The Committee may, in its discretion, and subject to such rules as the Committee may adopt, allow Participants to elect to have such share withholding applied to all or a portion of the tax withholding obligation arising in connection with any particular Award. Unless the Committee determines otherwise, share withholding for taxes shall not exceed the Participant's minimum applicable tax withholding amount.

Section 15. Transferability of Awards

(a) Nontransferability of Awards. Except as described in subsection (b) below, only the Participant may exercise rights under an Award during the Participant's lifetime. A Participant may not transfer those rights except (i) by will or by the laws of descent and distribution or (ii) with respect to Awards other than Incentive Stock Options, pursuant to a domestic relations order. When a Participant dies, the personal representative or other person entitled to succeed to the rights of the Participant may exercise such rights. Any such successor must furnish proof satisfactory to the Company of his or her right to receive the Award under the Participant's will or under the applicable laws of descent and distribution.

(b) Transfer of Nonqualified Stock Options. Notwithstanding the foregoing, the Committee may provide, in an Award Agreement, that a Participant may transfer Nonqualified Stock Options to family members, or one or more trusts or other entities for the benefit of or owned by family members, consistent with the applicable securities laws, according to such terms as the Committee may determine; provided that the Participant receives no consideration for the transfer of an Option and the transferred Option shall continue to be subject to the same terms and conditions as were applicable to the Option immediately before the transfer.

Section 16. Requirements for Issuance or Transfer of Shares

No Common Stock shall be issued or transferred in connection with any Award hereunder unless and until all legal requirements applicable to the issuance or transfer of such Common Stock have been complied with to the satisfaction of the Committee. The Committee shall have the right to condition any Award on the Participant's undertaking in writing to comply with such restrictions on his or her subsequent disposition of the shares of Common Stock as the Committee shall deem necessary or advisable, and certificates representing such shares may be legended to reflect any such restrictions. Certificates representing shares of Common Stock issued or transferred under the Plan may be subject to such stop-transfer orders and other restrictions as the Committee deems appropriate to comply with applicable laws, regulations and interpretations, including any requirement that a legend be placed thereon.

Section 17. *Amendment and Termination of the Plan*

(a) Amendment. The Board may amend or terminate the Plan at any time; provided, however, that the Board shall not amend the Plan without stockholder approval if such approval is required in order to comply with the Code or other applicable law, or to comply with applicable stock exchange requirements.

(b) No Repricing of Options or SARs. Except in connection with a corporate transaction involving the Company (including, without limitation, any stock dividend, distribution (whether in the form of cash, Common Stock, other securities or property), stock split, extraordinary cash dividend, recapitalization, change in control, reorganization, merger, consolidation, split-up, spin-off, combination, repurchase or exchange of shares of Common Stock or other securities, or similar transactions), the Company may not, without obtaining stockholder approval, (i) amend the terms of outstanding Stock Options or SARs to reduce the Exercise Price of such outstanding Stock Options or base price of such SARs, (ii) cancel outstanding Stock Options or SARs in exchange for Stock Options or SARs with an Exercise Price or base price, as applicable, that is less than the Exercise Price or base price of the original Stock Options or SARs or (iii) cancel outstanding Stock Options or SARs with an Exercise Price or base price, as applicable, above the current stock price in exchange for cash or other securities.

(c) Termination of Plan. The Plan shall terminate on the day immediately preceding the tenth anniversary of its Effective Date, unless the Plan is terminated earlier by the Board or is extended by the Board with the approval of the stockholders.

(d) Termination and Amendment of Outstanding Awards. A termination or amendment of the Plan that occurs after an Award is made shall not materially impair the rights of a Participant unless the Participant consents or unless the Committee acts under Section 18(f) below. The termination of the Plan shall not impair the power and authority of the Committee with respect to an outstanding Award. Whether or not the Plan has terminated, an outstanding Award may be terminated or amended under Section 18(f) below or may be amended by agreement of the Company and the Participant consistent with the Plan, provided that the Participant's consent is not required if any termination or amendment to the Participant's outstanding Award does not materially impair the rights or materially increase the obligations of the Participant.

Section 18. *Miscellaneous*

(a) Awards in Connection with Corporate Transactions and Otherwise. Nothing contained in the Plan shall be construed to (i) limit the right of the Committee to make Awards under the Plan in connection with the acquisition, by purchase, lease, merger, consolidation or otherwise, of the business or assets of any corporation, firm or association, including Awards to employees thereof who become Employees, or (ii) limit the right of the Company to grant stock options or make other awards outside of the Plan. The Committee may make a Substitute Award to an employee of another corporation who becomes an Employee by reason of a corporate merger, consolidation, acquisition of stock or property, reorganization or liquidation involving the Company, in substitution for a stock option or stock award granted by such corporation. Notwithstanding anything in the Plan to the contrary, the Committee may establish such terms and conditions of the new Substitute Awards as it deems appropriate, including setting the Exercise Price of Options or the base price of SARs at a price necessary to retain for the Participant the same economic value as the prior options or rights.

(b) Governing Document. The Plan shall be the controlling document. No other statements, representations, explanatory materials or examples, oral or written, may amend the Plan in any manner. The Plan shall be binding upon and enforceable against the Company and its successors and assigns.

(c) Funding of the Plan. The Plan shall be unfunded. The Company shall not be required to establish any special or separate fund or to make any other segregation of assets to assure the payment of any Awards under the Plan.

(d) Rights of Participants. Nothing in the Plan shall entitle any Employee, Non-Employee Director, Key Advisor or other person to any claim or right to receive an Award under the Plan. Neither the Plan nor any action taken hereunder shall be construed as giving any individual any rights to be retained by or in the employ of the Employer or any other employment rights.

(e) No Fractional Shares. No fractional shares of Common Stock shall be issued or delivered pursuant to the Plan or any Award. Except as otherwise provided under the Plan, the Committee shall determine whether cash, other awards or other property shall be issued or paid in lieu of such fractional shares or whether such fractional shares or any rights thereto shall be forfeited or otherwise eliminated.

(f) Compliance with Law.

(i) The Plan, the exercise of Options and SARs and the obligations of the Company to issue or transfer shares of Common Stock under Awards shall be subject to all applicable laws and regulations, and to approvals by any governmental or regulatory agency as may be required. With respect to persons subject to section 16 of the Exchange Act, it is the intent of the Company that the Plan and all transactions under the Plan comply with all applicable provisions of Rule 16b-3 or its successors under the Exchange Act. In addition, it is the intent of the Company that Incentive Stock Options comply with the applicable provisions of section 422 of the Code, and that, to the extent applicable, Awards comply with the requirements of section 409A of the Code. To the extent that any legal requirement of section 16 of the Exchange Act or section 422, or 409A of the Code as set forth in the Plan ceases to be required under section 16 of the Exchange Act or section 422 or 409A of the Code, that Plan provision shall cease to apply. The Committee may revoke any Award if it is contrary to law or modify an Award to bring it into compliance with any valid and mandatory government regulation. The Committee may also adopt rules regarding the withholding of taxes on payments to Participants. The Committee may, in its sole discretion, agree to limit its authority under this Section.

(ii) The Plan is intended to comply with the requirements of section 409A of the Code, to the extent applicable. Each Award shall be construed and administered such that the Award either (A) qualifies for an exemption from the requirements of section 409A of the Code or (B) satisfies the requirements of section 409A of the Code. If an Award is subject to section 409A of the Code, (I) distributions shall only be made in a manner and upon an event permitted under section 409A of the Code, (II) payments to be made upon a termination of employment or service shall only be made upon a "separation from service" under section 409A of the Code, (III) unless the Award specifies otherwise, each installment payment shall be treated as a separate payment for purposes of section 409A of the Code, and (IV) in no event shall a Participant, directly or indirectly, designate the calendar year in which a distribution is made except in accordance with section 409A of the Code.

(iii) Any Award that is subject to section 409A of the Code and that is to be distributed to a Key Employee (as defined below) upon separation from service shall be administered so that any distribution with respect to such Award shall be postponed for six months following the date of the Participant's separation from service, if required by section 409A of the Code. If a distribution is delayed pursuant to section 409A of the Code, the distribution shall be paid within 15 days after the end of the six-month period. If the Participant dies during such six-month period, any postponed amounts shall be paid within 90 days of the Participant's death. The determination of Key Employees, including the number and identity of persons considered Key Employees and the identification date, shall be made by the Committee or its delegate each year in accordance with section 416(i) of the Code and the "specified employee" requirements of section 409A of the Code.

(iv) Notwithstanding anything in the Plan or any Award agreement to the contrary, each Participant shall be solely responsible for the tax consequences of Awards under the Plan, and in no event shall the Company or any subsidiary or affiliate of the Company have any responsibility or liability if an Award does not meet any applicable requirements of section 409A of the Code. Although the Company intends to administer the Plan to prevent taxation under section 409A of the Code, the Company does not represent or warrant that the Plan or any Award complies with any provision of federal, state, local or other tax law.

(g) Establishment of Subplans. The Board may from time to time establish one or more sub-plans under the Plan for purposes of satisfying applicable blue sky, securities or tax laws of various jurisdictions. The Board shall establish such sub-plans by adopting supplements to the Plan setting forth (i) such limitations on the Committee's discretion under the Plan as the Board deems necessary or desirable and (ii) such additional terms and conditions not otherwise inconsistent with the Plan as the Board shall deem necessary or desirable. All supplements adopted by the Board shall be deemed to be part of the Plan, but each supplement shall apply only to Participants within the affected jurisdiction and the Employer shall not be required to provide copies of any supplement to Participants in any jurisdiction that is not affected.

(h) Clawback Rights. Subject to the requirements of applicable law, the Committee may provide in any Award Agreement that, if a Participant breaches any restrictive covenant agreement between the Participant and the Employer (which may be set forth in any Award Agreement) or otherwise engages in activities that constitute Cause either while employed by, or providing service to, the Employer or within the applicable period of time thereafter, all Awards held by the Participant shall terminate, and the Company may rescind any exercise of an Option or SAR and the vesting of any other Award and delivery of shares upon such exercise or vesting (including pursuant to dividends and Dividend Equivalents), as applicable on such terms as the Committee shall determine, including the right to require that in the event of any such rescission, (i) the Participant shall return to the Company the shares received upon the exercise of any Option or SAR and/or the vesting and payment of any other Award (including pursuant to dividends and Dividend Equivalents) or, (ii) if the Participant no longer owns the shares, the Participant shall pay to the Company the amount of any gain realized or payment received as a result of any sale or other disposition of the shares (or, in the event the Participant transfers the shares by gift or otherwise without consideration, the Fair Market Value of the shares on the date of the breach of the restrictive covenant agreement or activity constituting Cause), net of the price originally paid by the Participant for the shares. Payment by the Participant shall be made in such manner and on such terms and conditions as may be required by the Committee. The Employer shall be entitled to set off against the amount of any such payment any amounts otherwise owed to the Participant by the Employer. In addition, all Awards under the Plan shall be subject to any applicable clawback or recoupment policies, share trading policies and other policies that may be implemented by the Board from time to time.

(i) Governing Law. The validity, construction, interpretation and effect of the Plan and Award Agreements issued under the Plan shall be governed and construed by and determined in accordance with the laws of the State of Delaware, without giving effect to the conflict of laws provisions thereof.

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the Onconova Therapeutics, Inc. 2021 Incentive Compensation Plan, of our report dated March 18, 2021, with respect to the consolidated financial statements of Onconova Therapeutics, Inc., included in its Annual Report (Form 10-K) for the year ended December 31, 2020, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

Philadelphia, Pennsylvania
July 30, 2021
