

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

FORM 8-K

**CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): February 23, 2024

vTv Therapeutics Inc.
(Exact name of Registrant as Specified in Its Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

001-37524
(Commission
File Number)

47-3916571
(IRS Employer
Identification No.)

3980 Premier Drive, Suite 310
High Point, NC
(Address of Principal Executive Offices)

27265
(Zip Code)

Registrant's Telephone Number, Including Area Code: (336) 841-0300

N/A
(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Class A Common Stock, par value \$0.01 per share	VTVT	Nasdaq Capital Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

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 13(a) of the Exchange Act.

Item 1.01 Entry into a Material Definitive Agreement.

Private Placement of Class A Common Shares and Pre-Funded Warrants

On February 27, 2024, vTv Therapeutics Inc. (the “Company”) entered into a securities purchase agreement (the “Securities Purchase Agreement”) with certain institutional accredited investors (the “Purchasers”), pursuant to which the Company agreed to issue and sell to the Purchasers in a private placement (the “Private Placement”) (i) an aggregate of 464,377 shares (the “Shares”) of the Company’s Class A common stock, par value \$0.01 per share (the “Common Stock”), at a purchase price of \$11.81 per share, and (ii) pre-funded warrants (the “Pre-Funded Warrants”) to purchase up to an aggregate of 3,853,997 shares of Common Stock (the “Warrant Shares”) at a purchase price of \$11.80 per Pre-Funded Warrant (representing the \$11.81 per Share purchase price less the exercise price of \$0.01 per Warrant Share). The purchase price of the Shares and Warrant Shares were based on a 45-day volume-weighted average price at the time agreed between the Purchasers and the Company. The Pre-Funded Warrants are exercisable at any time after their original issuance and will not expire.

The Private Placement closed on February 27, 2024. The Company received aggregate gross proceeds from the Private Placement of approximately \$51.0 million, before deducting offering expenses payable by the Company.

The Pre-Funded Warrants issued in the Private Placement provide that the holder of the Pre-Funded Warrants will not have the right to exercise any portion of its Pre-Funded Warrants if such holder, together with its affiliates, would beneficially own in excess of 4.99% or 9.99%, as applicable, of the number of shares of the Company’s Common Stock outstanding immediately after giving effect to such exercise (the “Beneficial Ownership Limitation”); provided, however, that the holder may increase the Beneficial Ownership Limitation by giving 61 days’ notice to the Company, but not to any percentage in excess of 19.99%.

The Securities Purchase Agreement (i) provides the lead Purchasers with rights to designate an aggregate of three nominees to serve as directors on the Board, subject to the lead Purchasers continuing to own at least 50% of the Shares and Pre-Funded Warrants (including Warrant Shares issued pursuant to the exercise of the Pre-Funded Warrants) purchased by the Purchasers at the closing of the Private Placement, (ii) requires the Company to implement Board voting procedures requiring at least five directors to approve certain Company actions, (iii) grants certain participation rights to the Purchasers giving them the right to purchase their proportionate share of certain future financing transactions, (iv) requires the Company to use commercially reasonable efforts to (a) offer and sell securities for cash and/or (b) receive cash consideration in connection with a royalty or licensing agreement related to a preclinical or clinical drug candidate of the Company, other than TTP 399, that in respect of (a) and/or (b) results in the receipt of gross proceeds of at least an aggregate of \$30.0 million and (v) grants the Purchaser the right to purchase up to an additional \$30.0 million of Common Stock 18 months following the closing of the Private Placement, subject to certain conditions. The Securities Purchase Agreement also contains customary representations, warranties and covenants of the parties.

The foregoing descriptions of the Securities Purchase Agreement and the Pre-Funded Warrants do not purport to be complete and are qualified in their entirety by reference to such agreements, copies of which are filed as Exhibits 10.1 and 4.1 hereto, respectively, and incorporated by reference herein.

Private Placement Registration Rights Agreement

On February 27, 2024, the Company entered into a registration rights agreement (the “Registration Rights Agreement”) with the Purchasers, pursuant to which the Company agreed to register for resale the Shares and the Warrant Shares held by the Purchasers (the “Registrable Securities”) in accordance with the terms and conditions of the Registration Rights Agreement. Under the Registration Rights Agreement, the Company has agreed to file a registration statement covering the resale of the Registrable Securities following a demand made by any Purchaser in accordance with the provisions thereof. The Company has agreed to use reasonable efforts to file such registration statement within 60 days of such demand and to use its reasonable best efforts to cause such registration statement to become effective as promptly as practicable following the filing of the registration statement. The Company also agreed to use reasonable best efforts to keep such registration statement effective until the date (i) the Shares and Warrant Shares covered by such registration statement have been sold or may be resold pursuant to Rule 144 without restriction or (ii) 10 years after the date of the Registration Rights Agreement. Additionally, pursuant to the Registration Rights Agreement, the Purchasers are permitted (i) one underwritten offering per calendar year, but no more than two underwritten offerings in total, and (ii) no more than one underwritten offering and/or block trade in any 12 month period, to effect the sale or distribution of the Shares and

Warrant Shares, subject to certain limitations. The Company has agreed to be responsible for all fees and expenses incurred in connection with the registration of the Registrable Securities, other than sales commissions and underwriter discounts.

The Company has granted the Purchasers customary indemnification rights in connection with the registration statement. The Purchasers have also granted the Company customary indemnification rights in connection with the registration statement.

The foregoing description of the Registration Rights Agreement does not purport to be complete and is qualified in its entirety by reference to the Registration Rights Agreement, a copy of which is filed as Exhibit 10.2 hereto and incorporated by reference herein.

Amendment to Common Stock and Warrant Purchase Agreement

In connection with the Private Placement, the Company entered into an amendment to the Common Stock Purchase Agreement with G42 Investments AI Holdings RSC Ltd (“G42”) (the “G42 Amendment”), on February 27, 2024. The G42 Amendment, among other things, (i) amends the priority of G42’s piggyback registration rights with regard to registrations made pursuant to the Registration Rights Agreement and (ii) removes G42’s right to designate a member of the Company’s board of directors (the “Board”).

The foregoing descriptions of the G42 Amendment does not purport to be complete and is qualified in its entirety by reference to the G42 Amendment, a copy of which is filed as Exhibit 10.3 hereto and incorporated by reference herein.

Amendment to Common Stock Purchase Agreement

In connection with the Private Placement, the Company entered into an amendment to the Common Stock and Warrant Purchase Agreement with CinPax, LLC (“CinPax”) and CinRx Pharma, LLC (the “CinRx Amendment”) on February 27, 2024. The Cin Rx Amendment, among other things, (i) amends the priority of CinPax’s piggyback registration rights with regard to registrations made pursuant to the Registration Rights Agreement, (ii) removes CinPax’s right to designate a member of the Company’s Board and (iii) amends CinPax’s right to designate a Board observer.

The foregoing descriptions of the CinRx Amendment does not purport to be complete and is qualified in its entirety by reference to the CinRx Amendment, a copy of which is filed as Exhibit 10.4 hereto and incorporated by reference herein.

Amendment to Investor Rights Agreement

In connection with the Private Placement, the Company entered into an amendment to the M&F Investors Rights Agreement (the “M&F Amendment”) with M&F TTP Holdings Two LLC (as successor in interest to vTv Therapeutics Holdings LLC) (“M&F”) on February 27, 2024. The M&F Amendment, among other things, (i) amends the priority of M&F’s piggyback registration rights with regard to registrations made pursuant to the Registration Rights Agreement, (ii) decreases the number of director nominees that M&F has the right to designate to two, subject to M&F continuing to beneficially own 50% of the shares of Common Stock beneficially owned by it on the date of the M&F Amendment and (iii) removes M&F’s right to designate the members of the committees of the Board.

The foregoing descriptions of the M&F Amendment does not purport to be complete and is qualified in its entirety by reference to the M&F Amendment, a copy of which are filed as Exhibit 10.5 hereto and incorporated by reference herein.

Item 5.02 Departure of Directors or Certain Officers; Appointment of Certain Officers.

(b)

Director Resignations

On February 23, 2024, in connection with the Private Placement, Jonathan Isaacsohn resigned as a member of the Board and Hersh Kozlov resigned as a member of the Board, the Compensation Committee and Nominating and Corporate Governance Committee of the Board, effective and contingent on the closing of the Private Placement. Each of Dr. Isaacsohn and Mr. Kozlov’s resignations is not the result of any disagreement with the Company on any matter relating to the Company’s operations, policies or practices.

On February 23, 2024, in connection with the Private Placement, John A. Fry agreed to resign as a member of the Board, the Audit Committee and Nominating and Corporate Governance Committee of the Board and Howard L. Weiner agreed to resign as a member of the Board and the Audit Committee of the Board, effective as of the filing of the Company's Annual Report on Form 10-K for the year ended December 31, 2023. Each of Mr. Fry and Dr. Weiner's resignations is not the result of any disagreement with the Company on any matter relating to the Company's operations, policies or practices.

On February 23, 2024, in connection with the Private Placement, Keith Harris agreed to resign as a member of the Board and the Audit Committee of the Board, effective following the later of (a) the filing of the Company's Annual Report on Form 10-K for the year ended December 31, 2023 and (b) the appointment of a director pursuant to Section 7.9(c) of the Securities Purchase Agreement. Dr. Harris's resignation is not the result of any disagreement with the Company on any matter relating to the Company's operations, policies or practices.

(d)

Director Appointments

On February 23, 2024, in connection with the Private Placement, Raymond Cheong and Srinivas Akkaraju were each elected as directors of the Company, effective and contingent on the closing of the Private Placement. Drs. Cheong and Akkaraju were elected as directors pursuant to the director designation rights granted to the lead Purchasers pursuant to the Securities Purchase Agreement.

Drs. Cheong and Akkaraju have no familial relationships with any executive officer or director of the Company.

Both Dr. Cheong and Dr. Akkaraju will enter into the Company's standard form of indemnification agreement in connection with their election to the Board, the form of which is attached as Exhibit 10.7 to the Company's Registration Statement on Form S-1, as amended (File No. 333-204951), originally filed with the SEC on June 15, 2015.

As previously disclosed in this Current Report, on February 27, 2024, the Company entered into the Securities Purchase Agreement with the Purchasers, pursuant to which the Company agreed to sell and issue the Shares and Pre-Funded Warrants in the Private Placement. Each of Dr. Cheong and Dr. Akkaraju is affiliated with a Purchaser.

(e)

On February 23, 2024, upon recommendation of the Compensation Committee of the Board (the "Compensation Committee"), the Board approved an increase in Paul Sekhri, the Company's President and Chief Executive Officer's, base annual salary from \$480,000 to \$650,000, a one time bonus in the amount of \$471,042 and a reduction in Mr. Sekhri's target annual cash bonus percentage from 75% to 60% of his annual base salary, effective as of January 1, 2024. The Board also approved, upon recommendation of the Compensation Committee, the grant to Mr. Sekhri of a stock option to purchase 89,212 shares of Common Stock, subject to the terms and conditions set forth in the option award agreement. The exercise price of the option is \$11.81 per share and the option shall vest, subject to the Company's stockholders' approval of the Company's 2024 Equity Incentive Plan (the "2024 Plan"), in 12 equal installments on a quarterly basis, commencing on the first quarter following the date of grant, with the final tranche vesting on the third anniversary thereof, subject to Mr. Sekhri's continued employment or service with the Company through each such vesting date.

On February 23, 2024, upon recommendation of the Compensation Committee of the Board, the Board approved the grant to Steven Tuch, the Company's SVP, Chief Financial Officer, of stock options to purchase an aggregate of 62,159 shares of Common Stock, subject to the terms and conditions set forth in the option award agreements. The exercise price of the options is \$11.81 per share and each option shall vest, subject to the Company's stockholders' approval of the 2024 Plan, in 12 equal installments on a quarterly basis, commencing on the first quarter following the date of grant, with the final tranche vesting on the third anniversary thereof, subject to Mr. Tuch's continued employment or service with the Company through each such vesting date.

Item 8.01 Other Events.

On February 28, 2024, the Company issued a press release announcing the Private Placement. A copy of the press release is attached as Exhibit 99.1 hereto and incorporated by reference herein.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No.	Description
4.1	<u>Form of Pre-Funded Warrant.</u>
10.1	<u>Securities Purchase Agreement, dated February 27, 2024, by and among vTv Therapeutics Inc. and the investors party thereto.</u>
10.2	<u>Registration Rights Agreement, dated February 27, 2024, by and among vTv Therapeutics Inc. and the investors party thereto.</u>
10.3	<u>Amendment to Common Stock and Warrant Purchase Agreement, dated February 27, 2024, by and between vTv Therapeutics Inc. and G42 Investments AI Holdings RSC Ltd.</u>
10.4	<u>Amendment to Common Stock Purchase Agreement, dated February 27, 2024, by and among vTv Therapeutics Inc., CinPax, LLC and CinRx Pharma, LLC.</u>
10.5	<u>Amendment to Investor Rights Agreement, dated February 27, 2024, by and between vTv Therapeutics Inc. and M&F TTP Holdings Two LLC (as successor in interest to vTv Therapeutics Holdings LLC).</u>
99.1	<u>Press Release, dated February 28, 2024.</u>
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

VTV THERAPEUTICS INC.

Date: February 28, 2024

By: /s/ Paul J. Sekhri

Name: Paul J. Sekhri

Title: President and Chief Executive Officer

THE OFFER AND SALE OF THIS SECURITY AND THE SECURITIES FOR WHICH THIS SECURITY IS EXERCISABLE HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR THE SECURITIES LAW OF ANY STATE OF THE UNITED STATES. THIS SECURITY AND THE SECURITIES FOR WHICH THIS SECURITY IS EXERCISABLE MAY NOT BE SOLD, OFFERED FOR SALE, PLEDGED, HYPOTHECATED, TRANSFERRED OR ASSIGNED IN THE ABSENCE OF AN EFFECTIVE REGISTRATION STATEMENT FOR SUCH SECURITIES UNDER APPLICABLE SECURITIES LAWS, OR UNLESS OFFERED, SOLD, PLEDGED, HYPOTHECATED OR TRANSFERRED PURSUANT TO AN AVAILABLE EXEMPTION FROM THE REGISTRATION REQUIREMENTS OF THOSE LAWS. THE COMPANY AND ITS TRANSFER AGENT SHALL BE ENTITLED TO REQUIRE AN OPINION OF COUNSEL SATISFACTORY TO THE COMPANY AND THE TRANSFER AGENT THAT SUCH REGISTRATION IS NOT REQUIRED. NOTWITHSTANDING THE FOREGOING, THIS SECURITY AND THE SECURITIES FOR WHICH THIS SECURITY IS EXERCISABLE MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES.

**FORM OF PRE-FUNDED WARRANT TO PURCHASE COMMON STOCK
OF VTV THERAPEUTICS, INC.**

Number of Shares: []
(subject to adjustment)

Warrant No. __

Original Issue Date: February [], 2024

vTv Therapeutics Inc., a Delaware corporation (the “**Company**”), hereby certifies that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, [] or its registered assigns (the “**Holder**”), is entitled, subject to the terms set forth below, to purchase from the Company up to a total of [] shares of Class A common stock, \$0.01 par value per share (the “**Common Stock**”), of the Company (each such share, a “**Warrant Share**” and all such shares, the “**Warrant Shares**”) at an exercise price equal to \$0.01 per share (as adjusted from time to time as provided in Section 9 herein, the “**Exercise Price**”), upon surrender of this Warrant to Purchase Common Stock (including any Warrants to Purchase Common Stock issued in exchange, transfer or replacement hereof, the “**Warrant**”) at any time and from time to time on or after the date hereof (the “**Original Issue Date**”), subject to the following terms and conditions:

1. *Definitions.* For purposes of this Warrant, the following terms shall have the following meanings:

(a) “**Affiliate**” means, with respect to any Person, any other Person directly or indirectly controlled by, controlling or under common control with, such Person, but only for so long as such control shall continue. For purposes of this definition, “control” (including, with correlative meanings, “controlled by”, “controlling” and “under common control with”) means, with respect to a Person, possession, direct or indirect, of (i) the power to direct or cause direction of the management and policies of such Person (whether through ownership of securities or partnership or other ownership interests, by contract or otherwise), or (ii) at least 50% of the voting securities (whether directly or pursuant to any option, warrant or other similar arrangement) or other comparable equity interests.

(b) “**Attribution Parties**” means, collectively, the following Persons and entities: (i) any direct or indirect Affiliates of the Holder, (ii) any Person acting or who could be deemed to be acting as a Group together with the Holder or any Attribution Parties and (iii) any other Persons whose beneficial ownership of the Common Stock would or could be aggregated with the Holder’s and/or any other Attribution Party’s for purposes of Section 13(d) or Section 16 of the Exchange Act. For clarity, the purpose of the foregoing is to subject collectively the Holder and all other Attribution Parties to the Maximum Percentage (as defined in Section 11).

(c) “**Commission**” means the United States Securities and Exchange Commission.

(d) “**Closing Sale Price**” means, for any security as of any date, the last trade price for such security on the Principal Trading Market for such security, as reported by Bloomberg Financial Markets, or, if such Principal Trading Market begins to operate on an extended hours basis and does not designate the last trade price, then the last trade price of such security prior to 4:00 P.M., New York City time, as reported by Bloomberg Financial Markets, or

if the foregoing do not apply, the last trade price of such security in the over-the-counter market on the electronic bulletin board for such security as reported by Bloomberg Financial Markets, or if no last trade price is reported for such security by Bloomberg Financial Markets, the average of the bid and ask prices of any market makers for such security as reported in the OTC Link or “pink sheets” by OTC Markets Group Inc. as of 4:00 P.M., New York City time on such date. If the Closing Sale Price cannot be calculated for a security on a particular date on any of the foregoing bases, the Closing Sale Price of such security on such date shall be the fair market value as mutually determined by the Company and the Holder. If the Company and the Holder are unable to agree upon the fair market value of such security, then the Board of Directors of the Company shall use its good faith judgment to determine the fair market value. The Board of Directors’ determination shall be binding upon all parties absent demonstrable error. All such determinations shall be appropriately adjusted for any stock dividend, stock split, stock combination or other similar transaction during the applicable calculation period.

(e) “**Exchange Act**” means the Securities Exchange Act of 1934, as amended.

(f) “**Group**” shall have the meaning ascribed to it in Section 13(d) of the Exchange Act, and all related rules, regulations and jurisprudence.

(f) “**Person**” means an individual, a limited liability company, a partnership, a joint venture, a corporation, a trust, an unincorporated organization, any other entity and a government or any department or agency thereof.

(g) “**Principal Trading Market**” means the exchange or other trading market on which the Common Stock is primarily listed on or quoted for trading, which, as of the Original Issue Date, shall be the Nasdaq Capital Market.

(h) “**Purchase Agreement**” means that certain Securities Purchase Agreement dated as of February 27, 2024, by and among the Company and each of the investors party thereto.

(i) “**Securities Act**” means the Securities Act of 1933, as amended.

(j) “**Standard Settlement Period**” means the standard settlement period, expressed in a number of Trading Days, for the Principal Trading Market with respect to the Common Stock that is in effect on the date of delivery of an applicable Exercise Notice, which as of the Original Issuance Date was “T+2.”

(k) “**Trading Day**” means any weekday on which the Principal Trading Market is normally open for trading.

(l) “**Transfer Agent**” means Equiniti Trust Company, LLC, the Company’s transfer agent and registrar for the Common Stock, and any successor appointed in such capacity.

2. *Issuance of Securities; Registration of Warrants.* The Company shall register ownership of this Warrant, upon records to be maintained by the Company for that purpose (the “**Warrant Register**”), in the name of the record Holder (which shall include the initial Holder or, as the case may be, any assignee to which this Warrant is permissibly assigned hereunder) from time to time. The Company may deem and treat the registered Holder of this Warrant as the absolute owner hereof for the purpose of any exercise hereof or any distribution to the Holder, and for all other purposes, absent actual notice to the contrary. This Warrant and the Warrant Shares shall not be sold or transferred unless either (i) they first shall have been registered under the Securities Act, (ii) such securities may be sold pursuant to Rule 144 or any other exemption under the Securities Act, (iii) the Company first shall have been furnished with an opinion of legal counsel, reasonably satisfactory to the Company, if reasonably requested by the Company, to the effect that such sale or transfer is exempt from the registration requirements of the Securities Act or (iv) the securities are transferred without consideration to an Affiliate of such Holder or a custodial nominee (which for the avoidance of doubt shall require neither consent nor the delivery of an opinion). The Holder acknowledges and agrees that the Warrant Shares shall be subject to the restrictive legend requirements set forth in the Purchase Agreement.

3. *Registration of Transfers.* Subject to compliance with all applicable securities laws, the Company shall, or will cause its Transfer Agent to, register the transfer of all or any portion of this Warrant in the Warrant Register, upon surrender of this Warrant, and payment for all applicable transfer taxes (if any). Upon any such registration or transfer, a new warrant to purchase Common Stock in substantially the form of this Warrant (any such new warrant, a “**New Warrant**”) evidencing the portion of this Warrant so transferred shall be issued to the transferee, and a New Warrant evidencing the remaining portion of this Warrant not so transferred, if any, shall be issued to the transferring Holder. The acceptance of the New Warrant by the transferee thereof shall be deemed the acceptance by such transferee of all of the rights and obligations in respect of the New Warrant that the Holder has in respect of this Warrant. The Company shall, or will cause its Transfer Agent to, prepare, issue and deliver at the Company’s own expense any New Warrant under this Section 3. Until due presentment for registration of transfer, the Company may treat the registered Holder hereof as the owner and holder for all purposes, and the Company shall not be affected by any notice to the contrary.

4. Exercise of Warrants.

(a) All or any part of this Warrant shall be exercisable by the registered Holder in any manner permitted by this Warrant (including Section 11) at any time and from time to time on or after the Original Issue Date, and such rights shall not expire.

(b) The Holder may exercise this Warrant by delivering to the Company (i) an exercise notice, in the form attached as Schedule 1 hereto (the “**Exercise Notice**”), completed and duly signed, and (ii) payment of the Exercise Price for the number of Warrant Shares as to which this Warrant is being exercised (which may take the form of a “cashless exercise” if so indicated in the Exercise Notice pursuant to Section 10 below), and the date on which the last of such items is delivered to the Company (as determined in accordance with the notice provisions hereof) is an “**Exercise Date**.” The Holder shall not be required to deliver the original Warrant in order to effect an exercise hereunder. Execution and delivery of the Exercise Notice shall have the same effect as cancellation of the original Warrant and issuance of a New Warrant evidencing the right to purchase the remaining number of Warrant Shares, if any.

5. Delivery of Warrant Shares.

(a) Upon exercise of this Warrant, the Company shall promptly (but in no event later than the number of Trading Days comprising the Standard Settlement Period following the Exercise Date), upon the request of the Holder, credit such aggregate number of shares of Common Stock specified by the Holder in the Exercise Notice and to which the Holder is entitled pursuant to such exercise (the “**Exercise Shares**”) to the Holder’s or its designee’s balance account with The Depository Trust Company (“**DTC**”) through its Deposit Withdrawal At Custodian system, or if the Transfer Agent is then a participant in the DTC Fast Automated Securities Transfer Program (the “**FAST Program**”) and either (A) there is an effective registration statement permitting the issuance of the Warrant Shares to or the resale of such Warrant Shares by the Holder or (B) the Exercise Shares are eligible for resale by the Holder without volume or manner-of-sale restrictions pursuant to Rule 144 promulgated under the Securities Act (assuming cashless exercise of this Warrant). If the Transfer Agent is not a member of the FAST Program or if (A) and (B) above are not true, the Transfer Agent will either (i) record the Exercise Shares in the name of the Holder or its designee on the certificates reflecting the Exercise Shares with an appropriate legend regarding restriction on transferability, which shall be issued and dispatched by overnight courier to the address as specified in the Exercise Notice, and on the Company’s share register or (ii) issue such Exercise Shares in the name of the Holder or its designee in restricted book-entry form in the Company’s share register. The Holder, or any Person so designated by the Holder to receive Warrant Shares, shall be deemed to have become the holder of record of such Warrant Shares as of the Exercise Date, irrespective of the date such Warrant Shares are credited to the Holder’s DTC account, the date of the book entry positions or the date of delivery of the certificates evidencing such Exercise Shares, as the case may be.

(b) If the Company fails to deliver to the Holder or its designee Exercise Shares in the manner required pursuant to Section 5(a) within the Standard Settlement Period following the Exercise Date and the Holder purchases (in an open market transaction or otherwise) shares of Common Stock to deliver in satisfaction of a sale by the Holder of the Warrant Shares which the Holder anticipated receiving upon such exercise (a “**Buy-In**”) but did not receive within the Standard Settlement Period, then the Company shall, within two (2) Trading Days after the Holder’s written request and in the Holder’s sole discretion, either (1) pay in cash to the Holder an amount equal to the Holder’s total purchase price (including brokerage commissions, if any) for the shares of Common Stock so purchased, at which point the Company’s obligation to issue and deliver such Exercise Shares shall terminate or (2) promptly honor its obligation to deliver to the Holder or its designee the Exercise Shares pursuant to Section 5(a) and pay cash to the Holder in an amount equal to the excess (if any) of Holder’s total purchase price (including brokerage commissions, if any) for the shares of Common Stock so purchased in the Buy-In, less the product of (A) the number of shares of Common Stock purchased in the Buy-In, times (B) the Closing Sale Price of a share of Common Stock on the Exercise Date.

(c) To the extent permitted by law and subject to Section 5(b), the Company’s obligations to issue and deliver Warrant Shares in accordance with and subject to the terms hereof (including the limitations set forth in Section 11 below) are absolute and unconditional, irrespective of any action or inaction by the Holder to enforce the same, any

waiver or consent with respect to any provision hereof, the recovery of any judgment against any Person or any action to enforce the same, or any setoff, counterclaim, recoupment, limitation or termination, or any breach or alleged breach by the Holder or any other Person of any obligation to the Company or any violation or alleged violation of law by the Holder or any other Person, and irrespective of any other circumstance that might otherwise limit such obligation of the Company to the Holder in connection with the issuance of Warrant Shares. Subject to Section 5(b), nothing herein shall limit the Holder's right to pursue any other remedies available to it hereunder, at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Company's failure to timely deliver shares of Common Stock upon exercise of the Warrant as required pursuant to the terms hereof.

6. *Charges, Taxes and Expenses.* Issuance and delivery for shares of Common Stock upon exercise of this Warrant shall be made without charge to the Holder for any issue or transfer tax, transfer agent fee or other incidental tax or expense (excluding any applicable stamp duties) in respect of the issuance of such certificates, all of which taxes and expenses shall be paid by the Company; *provided, however*, that the Company shall not be required to pay any tax that may be payable in respect of any transfer involved in the registration of any Warrant Shares or the Warrants in a name other than that of the Holder or an Affiliate thereof. The Holder shall be responsible for all other tax liability that may arise as a result of holding or transferring this Warrant or receiving Warrant Shares upon exercise hereof.

7. *Replacement of Warrant.* If this Warrant is mutilated, lost, stolen or destroyed, the Company shall issue or cause to be issued in exchange and substitution for and upon cancellation hereof, or in lieu of and substitution for this Warrant, a New Warrant, but only upon receipt of evidence reasonably satisfactory to the Company of such loss, theft or destruction (in such case) and, in each case, a customary and reasonable contractual indemnity, if requested by the Company. If a New Warrant is requested as a result of a mutilation of this Warrant, then the Holder shall deliver such mutilated Warrant to the Company as a condition precedent to the Company's obligation to issue the New Warrant.

8. *Reservation of Warrant Shares.* The Company covenants that it will, at all times while this Warrant is outstanding, reserve and keep available out of the aggregate of its authorized but unissued and otherwise unreserved Common Stock, solely for the purpose of enabling it to issue Warrant Shares upon exercise of this Warrant as herein provided, the number of Warrant Shares that are initially issuable and deliverable upon the exercise of this entire Warrant, free from preemptive rights or any other contingent purchase rights of persons other than the Holder (taking into account the adjustments and restrictions of Section 9). The Company covenants that all Warrant Shares so issuable and deliverable shall, upon issuance and the payment of the applicable Exercise Price in accordance with the terms hereof, be duly and validly authorized, issued and fully paid and non-assessable. The Company will take all such action as may be reasonably necessary to assure that such shares of Common Stock may be issued as provided herein without violation of any applicable law or regulation, or of any requirements of any securities exchange or automated quotation system upon which the Common Stock may be listed. The Company further covenants that it will not, without the prior written consent of the Holder, take any actions to increase the par value of the Common Stock at any time while this Warrant is outstanding.

9. *Certain Adjustments.* The Exercise Price and number of Warrant Shares issuable upon exercise of this Warrant are subject to adjustment from time to time as set forth in this Section 9.

(a) Stock Dividends and Splits. If the Company, at any time while this Warrant is outstanding, (i) pays a stock dividend on its Common Stock or otherwise makes a distribution on any class of capital stock issued and outstanding on the Original Issue Date and in accordance with the terms of such stock on the Original Issue Date or as amended, that is payable in shares of Common Stock, (ii) subdivides its outstanding shares of Common Stock into a larger number of shares of Common Stock, (iii) combines its outstanding shares of Common Stock into a smaller number of shares of Common Stock or (iv) issues by reclassification of shares of capital stock any additional shares of Common Stock of the Company, then in each such case the number of Warrant Shares shall be multiplied by a fraction, the numerator of which shall be the number of shares of Common Stock outstanding immediately after such event and the denominator of which shall be the number of shares of Common Stock outstanding immediately before such event. Any adjustment made pursuant to clause (i) of this paragraph shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution, provided, however, that if such record date shall have been fixed and such dividend is not fully paid on the date fixed therefor, the number of Warrant Shares shall be recomputed accordingly as of the close of business on such record date and thereafter the number of Warrant Shares shall be adjusted pursuant to this paragraph as of the time of actual payment of such dividends. Any adjustment pursuant to clause (ii), (iii) or (iv) of this paragraph shall become effective immediately after the effective date of such subdivision, combination or issuance.

(b) **Pro Rata Distributions.** If, on or after the Original Issue Date, the Company shall declare or make any dividend or other pro rata distribution of its assets (or rights to acquire its assets) to holders of shares of Common Stock, by way of return of capital or otherwise (including, without limitation, any distribution of cash, stock or other securities, property, options, evidence of indebtedness or any other assets by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction, but, for the avoidance of doubt, excluding any distribution of shares of Common Stock subject to Section 9(a), any distribution of Purchase Rights (as defined below) subject to Section 9(c) and any Fundamental Transaction (as defined below) subject to Section 9(d)) (a “**Distribution**”) then, in each such case, the Holder shall be entitled to participate in such Distribution to the same extent that the Holder would have participated therein if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations or restrictions on exercise of this Warrant, including without limitation, the Maximum Percentage (as defined below)) immediately before the date on which a record is taken for such Distribution, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the participation in such Distribution (provided, that to the extent that the Holder’s right to participate in any such Distribution would result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, then the Holder shall not be entitled to participate in such Distribution to such extent (and shall not be entitled to beneficial ownership of such shares of Common Stock as a result of such Distribution (and beneficial ownership) to such extent) and such portion of such Distribution shall be held in abeyance for the benefit of the Holder until such time or times as its right thereto would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, at which time or times the Holder shall be granted such Distribution (and any Distributions declared or made on such initial Distribution or on any subsequent Distribution held similarly in abeyance) to the same extent as if there had been no such limitation).

(c) **Purchase Rights.** If at any time on or after the Original Issue Date, the Company grants, issues or sells any Options, Convertible Securities or rights to purchase stock, warrants, securities or other property, in each case pro rata to the record holders of any class of Common Stock (the “**Purchase Rights**”), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations or restrictions on exercise of this Warrant, including without limitation, the Maximum Percentage) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights, or, if no such record is taken, the date as of which the record holders of Common Stock are to be determined for the grant, issuance or sale of such Purchase Rights (provided, that to the extent that the Holder’s right to participate in any such Purchase Right would result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, then the Holder shall not be entitled to participate in such Purchase Right to such extent (and shall not be entitled to beneficial ownership of such Common Stock as a result of such Purchase Right (and beneficial ownership) to such extent) and such Purchase Right to such extent shall be held in abeyance for the benefit of the Holder until such time or times as its right thereto would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, at which time or times the Holder shall be granted such right (and any Purchase Right granted, issued or sold on such initial Purchase Right or on any subsequent Purchase Right to be held similarly in abeyance) to the same extent as if there had been no such limitation). As used in this Section 9(c), (i) “Options” means any rights, warrants or options to subscribe for or purchase shares of Common Stock or Convertible Securities and (ii) “Convertible Securities” mean any stock or securities (other than Options) directly or indirectly convertible into or exercisable or exchangeable for shares of Common Stock.

(d) **Fundamental Transactions.** If, at any time while this Warrant is outstanding (i) the Company effects any merger or consolidation of the Company with or into another Person, in which the Company is not the surviving entity or in which the stockholders of the Company immediately prior to such merger or consolidation do not own, directly or indirectly, more than 50% of the voting power of the surviving entity immediately after such merger or consolidation, (ii) the Company effects any sale to another Person of all or substantially all of its assets in one or a series of related transactions, (iii) pursuant to any tender offer or exchange offer (whether by the Company or another Person), holders of capital stock tender shares representing more than 50% of the voting power of the capital stock of the Company and the Company or such other Person, as applicable, accepts such tender for payment, (iv) the Company consummates a stock purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off or scheme of arrangement) with another Person whereby such

other Person acquires more than the 50% of the voting power of the capital stock of the Company (except for any such transaction in which the stockholders of the Company immediately prior to such transaction maintain, in substantially the same proportions, the voting power of such Person immediately after the transaction) or (v) the Company effects any reclassification of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property (other than as a result of a subdivision or combination of shares of Common Stock covered by Section 9(a), above) (in any such case, a “**Fundamental Transaction**”), then following such Fundamental Transaction the Holder shall have the right to receive, upon exercise of this Warrant, the same amount and kind of securities, cash or property as it would have been entitled to receive upon the occurrence of such Fundamental Transaction if it had been, immediately prior to such Fundamental Transaction, the holder of the number of Warrant Shares then issuable upon exercise in full of this Warrant without regard to any limitations on exercise contained herein (the “**Alternate Consideration**”). The Company shall not effect any Fundamental Transaction in which the Company is not the surviving entity or the Alternate Consideration includes securities of another Person unless (i) the Alternate Consideration is solely cash and the Company provides for the simultaneous “cashless exercise” of this Warrant pursuant to Section 10 below or (ii) prior to or simultaneously with the consummation thereof, any successor to the Company, surviving entity or other Person (including any purchaser of assets of the Company) shall assume the obligation to deliver to the Holder such Alternate Consideration as, in accordance with the foregoing provisions, the Holder may be entitled to receive, and the other obligations under this Warrant. The provisions of this paragraph (c) shall similarly apply to subsequent transactions analogous of a Fundamental Transaction type.

(e) Number of Warrant Shares. Simultaneously with any adjustment to the Exercise Price pursuant to Section 9, the number of Warrant Shares that may be purchased upon exercise of this Warrant shall be increased or decreased proportionately, so that after such adjustment the aggregate Exercise Price payable hereunder for the increased or decreased number of Warrant Shares shall be the same as the aggregate Exercise Price in effect immediately prior to such adjustment.

(f) Calculations. All calculations under this Section 9 shall be made to the nearest one-tenth of one cent or the nearest share, as applicable.

(g) Notice of Adjustments. Upon the occurrence of each adjustment pursuant to this Section 9, the Company at its expense will, at the written request of the Holder, promptly compute such adjustment, in good faith, in accordance with the terms of this Warrant and prepare a certificate setting forth such adjustment, including a statement of the adjusted Exercise Price and adjusted number or type of Warrant Shares or other securities issuable upon exercise of this Warrant (as applicable), describing the transactions giving rise to such adjustments and showing in detail the facts upon which such adjustment is based. Upon written request, the Company will promptly deliver a copy of each such certificate to the Holder and to the Company’s transfer agent.

(h) Notice of Corporate Events. If, while this Warrant is outstanding, the Company (i) declares a dividend or any other distribution of cash, securities or other property in respect of its Common Stock, including, without limitation, any granting of rights or warrants to subscribe for or purchase any capital stock of the Company or any subsidiary, (ii) authorizes or approves, enters into any agreement contemplating or solicits stockholder approval for any Fundamental Transaction or (iii) authorizes the voluntary dissolution, liquidation or winding up of the affairs of the Company, then the Company shall deliver to the Holder a notice of such transaction at least ten (10) days prior to the applicable record or effective date on which a Person would need to hold Common Stock in order to participate in or vote with respect to such transaction; provided, however, that the failure to deliver such notice or any defect therein shall not affect the validity of the corporate action required to be described in such notice. In addition, if while this Warrant is outstanding, the Company authorizes or approves, enters into any agreement contemplating or solicits stockholder approval for any Fundamental Transaction contemplated by Section 9(d), other than a Fundamental Transaction under clause (iii) of Section 9(d), the Company shall deliver to the Holder a notice of such Fundamental Transaction at least ten (10) days prior to the date such Fundamental Transaction is consummated. Holder agrees to maintain any information disclosed pursuant to this Section 9(h) in confidence until such information is publicly available, and shall comply with applicable law with respect to trading in the Company’s securities following receipt of any such information.

10. *Payment of Exercise Price.* Notwithstanding anything contained herein to the contrary, the Holder may, in its sole discretion, satisfy its obligation to pay the Exercise Price through a “cashless exercise”, in which event the Company shall issue to the Holder the number of Warrant Shares in an exchange of securities effected pursuant to Section 3(a)(9) of the Securities Act, as determined as follows:

$$X = Y [(A-B)/A]$$

where:

“X” equals the number of Warrant Shares to be issued to the Holder;

“Y” equals the total number of Warrant Shares with respect to which this Warrant is then being exercised;

“A” equals the Closing Sale Price of the shares of Common Stock (as reported by Bloomberg Financial Markets) as of the Trading Day on the date immediately preceding the Exercise Date; and

“B” equals the Exercise Price then in effect for the applicable Warrant Shares at the time of such exercise.

For purposes of Rule 144 promulgated under the Securities Act, it is intended, understood and acknowledged that the Warrant Shares issued in a “cashless exercise” transaction shall be deemed to have been acquired by the Holder, and the holding period for the Warrant Shares shall be deemed to have commenced, on the date this Warrant was originally issued (provided that the Commission continues to take the position that such treatment is proper at the time of such exercise). In the event that a registration statement registering the issuance of Warrant Shares is, for any reason, not effective at the time of exercise of this Warrant, then the Warrant may only be exercised through a cashless exercise, as set forth in this [Section 10](#). If the Warrant Shares are issued in such a cashless exercise, the Company acknowledges and agrees that, in accordance with Section 3(a)(9) of the Securities Act, the Exercise Shares issued in such exercise shall take on the registered characteristics of the Warrants being exercised and the holding period thereof may be tacked on to the holding period of the Warrants being exercised. Except as set forth in Section 5(b) (Buy-In remedy) and Section 12 (payment of cash in lieu of fractional shares), in no event will the exercise of this Warrant be settled in cash.

11. *Limitations on Exercise.*

(a) Notwithstanding anything to the contrary contained herein, the Company shall not effect the exercise of any portion of this Warrant, and the Holder of the Warrant shall not have the right to exercise any portion of the Warrant, and any such exercise shall be null and void ab initio and treated as if the exercise had not been made, to the extent that immediately prior to or following such exercise, the Holder, together with the Attribution Parties, beneficially owns or would beneficially own as determined in accordance with Section 13(d) of the Exchange Act and the rules promulgated thereunder, in excess of [4.99%]/[9.99%] (the “**Maximum Percentage**”) of the Common Stock that would be issued and outstanding following such exercise. For purposes of calculating beneficial ownership for determining whether the Maximum Percentage is or will be exceeded, the aggregate number of shares of Common Stock held and/or beneficially owned by the Holder together with the Attribution Parties, shall include the number of shares of Common Stock held and/or beneficially owned by the Holder together with the Attribution Parties plus the number of shares of Common Stock issuable upon exercise of the relevant Warrant with respect to which the determination is being made but shall exclude the number of shares of Common Stock which would be issuable upon (i) exercise of the remaining, unexercised Warrant held and/or beneficially owned by the Holder or the Attribution Parties and (ii) exercise or conversion of the unexercised or unconverted portion of any other securities of the Company held and/or beneficially owned by such Holder or any Attribution Party (including, without limitation, any convertible notes, convertible stock or warrants) that are subject to a limitation on conversion or exercise analogous to the limitation contained herein. For purposes of this Paragraph 11(a), beneficial ownership of the Holder or the Attribution Parties shall, except as set forth in the immediately preceding sentence, be calculated and determined in accordance with Section 13(d) of the Exchange Act and the rules promulgated thereunder. For purposes of the Warrant, in determining the number of outstanding shares of Common Stock, a Holder of the Warrant may rely on the number of outstanding shares of Common Stock as reflected in (1) the Company’s most recent Form 10-K, Form 10-Q, Current Report on Form 8-K or other public filing with the Commission, as the case may be, (2) a more recent public announcement by the Company or (3) any other notice by the Company or the Company’s transfer agent setting forth the number of shares of Common Stock outstanding (such issued and outstanding shares, the “**Reported Outstanding Share Number**”). For any reason at any time, upon the written or oral request of the Holder, the Company shall within one (1) Business Day confirm orally and in writing or by electronic mail to the Holder the number of shares of Common Stock then outstanding. The Holder shall disclose to the Company the number of shares of Common Stock that it, together with the Attribution Parties holds and/or beneficially owns and has the right to acquire through the exercise of derivative securities and any limitations on exercise or conversion analogous to the limitation contained herein contemporaneously or immediately prior to submitting an Exercise Notice for the relevant Warrant. If the Company receives an Exercise Notice from the Holder at a time when the actual number of outstanding shares of Common Stock is less than the

Reported Outstanding Share Number, the Company shall (i) notify the Holder in writing of the number of shares of Common Stock then outstanding and, to the extent that such Exercise Notice would otherwise cause the Holder's, together with the Attribution Parties', beneficial ownership, as determined pursuant to this Section 11(a), to exceed the Maximum Percentage, the Holder must notify the Company of a reduced number of Warrant Shares to be purchased pursuant to such Exercise Notice (the number of shares by which such purchase is reduced, the "Reduction Shares") and (ii) as soon as reasonably practicable, the Company shall return to the Holder any exercise price paid by the Holder for the Reduction Shares. In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Warrant, by the Holder and the Attribution Parties since the date as of which the Reported Outstanding Share Number was reported. In the event that the issuance of Common Stock to the Holder upon exercise of this Warrant results in the Holder, together with the Attribution Parties, being deemed to beneficially own, in the aggregate, more than the Maximum Percentage of the number of outstanding shares of Common Stock (as determined under Section 13(d) of the Exchange Act), the number of shares so issued by which the Holder's, together with the Attribution Parties', aggregate beneficial ownership exceeds the Maximum Percentage (the "Excess Shares") shall be deemed null and void and shall be cancelled ab initio, and the Holder and/or the Attribution Parties shall not have the power to vote or to transfer the Excess Shares. As soon as reasonably practicable after the issuance of the Excess Shares has been deemed null and void, the Company shall return to the Holder the exercise price paid by the Holder for the Excess Shares. By written notice to the Company, a Holder of the Warrant may from time to time increase or decrease the Maximum Percentage to any other percentage not in excess of 19.99% specified in such notice; provided that any increase in the Maximum Percentage will not be effective until the sixty-first (61st) day after such notice is delivered to the Company and shall not negatively affect any partial exercise effected prior to such change.

(b) This Section 11 shall not restrict the number of shares of Common Stock which a Holder or the Attribution Parties may receive or beneficially own in order to determine the amount of securities or other consideration that such Holder or the Attribution Parties may receive in the event of a Fundamental Transaction as contemplated in Section 9(c) of this Warrant. For purposes of clarity, the shares of Common Stock issuable pursuant to the terms of this Warrant in excess of the Maximum Percentage shall not be deemed to be beneficially owned by the Holder or the Attribution Parties for any purpose including for purposes of Section 13(d) of the Exchange Act and the rules promulgated thereunder or Section 16 of the Exchange Act and the rules promulgated thereunder, including Rule 16a-1(a)(1). No prior inability to exercise this Warrant pursuant to this paragraph shall have any effect on the applicability of the provisions of this paragraph with respect to any subsequent determination of exercisability. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 11(a) to the extent necessary to correct this paragraph or any portion of this paragraph which may be defective or inconsistent with the intended beneficial ownership limitation contained in this Section 11(a) or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitation contained in this paragraph may not be waived and shall apply to a successor holder of this Warrant.

12. *No Fractional Shares.* No fractional Warrant Shares will be issued in connection with any exercise of this Warrant. In lieu of any fractional shares that would otherwise be issuable, the number of Warrant Shares to be issued shall be rounded down to the next whole number and the Company shall pay the Holder in cash the fair market value (based on the Closing Sale Price) for any such fractional shares.

13. *Notices.* Any and all notices or other communications or deliveries hereunder (including, without limitation, any Exercise Notice) shall be in writing and shall be deemed given and effective on the earliest of (i) the date of transmission, if such notice or communication is delivered confirmed e-mail at the e-mail address specified in the books and records of the Transfer Agent prior to 5:30 P.M., New York City time, on a Trading Day, (ii) the next Trading Day after the date of transmission, if such notice or communication is delivered via confirmed e-mail at the e-mail address specified in the books and records of the Transfer Agent on a day that is not a Trading Day or later than 5:30 P.M., New York City time, on any Trading Day, (iii) the Trading Day following the date of mailing, if sent by nationally recognized overnight courier service specifying next business day delivery, or (iv) upon actual receipt by the Person to whom such notice is required to be given, if by hand delivery.

14. *Warrant Agent.* The Company shall initially serve as warrant agent under this Warrant. Upon thirty (30) days' notice to the Holder, the Company may appoint a new warrant agent. Any corporation into which the Company or any new warrant agent may be merged or any corporation resulting from any consolidation to which the Company or any new warrant agent shall be a party or any corporation to which the Company or any new warrant agent transfers substantially all of its corporate trust or shareholders services business shall be a successor warrant agent under this Warrant without any further act. Any such successor warrant agent shall promptly cause notice of its succession as warrant agent to be mailed (by first class mail, postage prepaid) to the Holder at the Holder's last address as shown on the Warrant Register.

15. *Miscellaneous.*

(a) No Rights as a Stockholder. Except as otherwise set forth in this Warrant, the Holder, solely in such Person's capacity as a holder of this Warrant, shall not be entitled to vote or receive dividends or be deemed the holder of share capital of the Company for any purpose, nor shall anything contained in this Warrant be construed to confer upon the Holder, solely in such Person's capacity as the Holder of this Warrant, any of the rights of a stockholder of the Company or any right to vote, give or withhold consent to any corporate action (whether any reorganization, issue of stock, reclassification of stock, consolidation, merger, amalgamation, conveyance or otherwise), receive notice of meetings, receive dividends or subscription rights, or otherwise, prior to the issuance to the Holder of the Warrant Shares which such Person is then entitled to receive upon the due exercise of this Warrant. In addition, nothing contained in this Warrant shall be construed as imposing any liabilities on the Holder to purchase any securities (upon exercise of this Warrant or otherwise) or as a stockholder of the Company, whether such liabilities are asserted by the Company or by creditors of the Company.

(b) Authorized Shares. (i) Except and to the extent as waived or consented to by the Holder, the Company shall not by any action, including, without limitation, amending its certificate or articles of incorporation or through any reorganization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, but will at all times in good faith assist in the carrying out of all such terms and in the taking of all such actions as may be necessary or appropriate to protect the rights of Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company will (a) not increase the par value of any Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (b) take all such action as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and non-assessable Warrant Shares upon the exercise of this Warrant, and (c) use commercially reasonable efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof as may be necessary to enable the Company to perform its obligations under this Warrant.

(ii) Before taking any action which would result in an adjustment in the number of Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.

(c) Successors and Assigns. Subject to compliance with applicable securities laws, this Warrant may be assigned by the Holder. This Warrant may not be assigned by the Company without the written consent of the Holder, except to a successor in the event of a Fundamental Transaction. This Warrant shall be binding on and inure to the benefit of the Company and the Holder and their respective successors and assigns. Subject to the preceding sentence, nothing in this Warrant shall be construed to give to any Person other than the Company and the Holder any legal or equitable right, remedy or cause of action under this Warrant. This Warrant may be amended only in writing signed by the Company and the Holder, or their successors and assigns.

(d) Amendment and Waiver. Except as otherwise provided herein, the provisions of the Warrants may be amended and the Company may take any action herein prohibited, or omit to perform any act herein required to be performed by it, only if the Company has obtained the written consent of the Holder.

(e) Acceptance. Receipt of this Warrant by the Holder shall constitute acceptance of and agreement to all of the terms and conditions contained herein.

(f) Governing Law; Jurisdiction. ALL QUESTIONS CONCERNING THE CONSTRUCTION, VALIDITY, ENFORCEMENT AND INTERPRETATION OF THIS WARRANT SHALL BE GOVERNED BY AND CONSTRUED AND ENFORCED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO THE PRINCIPLES OF CONFLICTS OF LAW THEREOF. EACH OF THE COMPANY AND THE HOLDER HEREBY IRREVOCABLY SUBMITS TO THE EXCLUSIVE JURISDICTION OF THE STATE AND FEDERAL COURTS SITTING IN THE CITY OF NEW YORK, BOROUGH OF MANHATTAN, FOR THE ADJUDICATION OF ANY DISPUTE HEREUNDER OR IN CONNECTION HERewith OR WITH ANY TRANSACTION CONTEMPLATED HEREBY OR DISCUSSED HEREIN (INCLUDING WITH RESPECT TO THE ENFORCEMENT OF ANY OF THE TRANSACTION DOCUMENTS), AND HEREBY IRREVOCABLY WAIVES, AND AGREES NOT TO ASSERT IN ANY SUIT, ACTION OR

PROCEEDING, ANY CLAIM THAT IT IS NOT PERSONALLY SUBJECT TO THE JURISDICTION OF ANY SUCH COURT. EACH OF THE COMPANY AND THE HOLDER HEREBY IRREVOCABLY WAIVES PERSONAL SERVICE OF PROCESS AND CONSENTS TO PROCESS BEING SERVED IN ANY SUCH SUIT, ACTION OR PROCEEDING BY MAILING A COPY THEREOF VIA REGISTERED OR CERTIFIED MAIL OR OVERNIGHT DELIVERY (WITH EVIDENCE OF DELIVERY) TO SUCH PERSON AT THE ADDRESS IN EFFECT FOR NOTICES TO IT AND AGREES THAT SUCH SERVICE SHALL CONSTITUTE GOOD AND SUFFICIENT SERVICE OF PROCESS AND NOTICE THEREOF. NOTHING CONTAINED HEREIN SHALL BE DEEMED TO LIMIT IN ANY WAY ANY RIGHT TO SERVE PROCESS IN ANY MANNER PERMITTED BY LAW. EACH OF THE COMPANY AND THE HOLDER HEREBY WAIVES ALL RIGHTS TO A TRIAL BY JURY.

(g) Headings. The headings herein are for convenience only, do not constitute a part of this Warrant and shall not be deemed to limit or affect any of the provisions hereof.

(h) Severability. In case any one or more of the provisions of this Warrant shall be invalid or unenforceable in any respect, the validity and enforceability of the remaining terms and provisions of this Warrant shall not in any way be affected or impaired thereby, and the Company and the Holder will attempt in good faith to agree upon a valid and enforceable provision which shall be a commercially reasonable substitute therefor, and upon so agreeing, shall incorporate such substitute provision in this Warrant.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the Company has caused this Warrant to be duly executed by its authorized officer as of the date first indicated above.

VTV THERAPEUTICS INC.

By: _____
Name:
Title:

SCHEDULE 1
FORM OF EXERCISE NOTICE

[To be executed by the Holder to purchase shares of Common Stock under the Warrant]

Ladies and Gentlemen:

- (1) The undersigned is the Holder of Warrant No. ___ (the "Warrant") issued by vTv Therapeutics Inc., a Delaware corporation (the "Company"). Capitalized terms used herein and not otherwise defined herein have the respective meanings set forth in the Warrant.
- (2) The undersigned hereby exercises its right to purchase Warrant Shares pursuant to the Warrant.
- (3) The Holder intends that payment of the Exercise Price shall be made as (check one):
- Cash Exercise
 - "Cashless Exercise" under Section 10 of the Warrant
- (4) If the Holder has elected a Cash Exercise, the Holder shall pay the sum of \$ _____ in immediately available funds to the Company in accordance with the terms of the Warrant.
- (5) Pursuant to this Exercise Notice, the Company shall deliver to the Holder Warrant Shares determined in accordance with the terms of the Warrant.
- (6) By its delivery of this Exercise Notice, the undersigned represents and warrants to the Company that in giving effect to the exercise evidenced hereby the Holder will not beneficially own in excess of the number of shares of Common Stock (as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934, as amended) permitted to be owned under Section 11(a) of the Warrant to which this notice relates.

Dated: _____
Name of Holder: _____
By: _____
Name: _____
Title: _____

(Signature must conform in all respects to name of Holder as specified on the face of the Warrant)

SECURITIES PURCHASE AGREEMENT

This SECURITIES PURCHASE AGREEMENT (this “**Agreement**”) is made and entered into as of February 27, 2024, by and among vTv Therapeutics Inc., a Delaware corporation (the “**Company**”), and the Investors identified on **Exhibit A** attached hereto (each an “**Investor**” and collectively the “**Investors**”).

RECITALS

A. The Company and the Investors are executing and delivering this Agreement in reliance upon the exemption from securities registration afforded by the provisions of Section 4(a)(2) of the 1933 Act (as defined below) and/or Rule 506 of Regulation D promulgated by the SEC (as defined below);

B. Each Investor, severally and not jointly, wishes to purchase from the Company, and the Company wishes to sell and issue, upon the terms and subject to the conditions stated in this Agreement, shares (the “**Shares**”) of the Company’s Class A Common Stock, par value \$0.01 per share (the “**Common Stock**”) and pre-funded warrants to purchase Common Stock (the “**Pre-Funded Warrants**”) in the form of **Exhibit B** attached hereto; and

C. Contemporaneously with the sale of the Shares and the Pre-Funded Warrants, the Company and the Investors (as defined below) will execute and deliver a Registration Rights Agreement, in the form attached hereto as **Exhibit C** (the “**Registration Rights Agreement**”), pursuant to which the Company will agree to provide certain registration rights under the 1933 Act and applicable state securities laws in respect of the Shares, the shares of Common Stock issuable upon exercise of the Pre-Funded Warrants (the “**Warrant Shares**”) and together with the Shares and the Pre-Funded Warrants, the “**Securities**”) and any other securities of the Company now owned or hereafter acquired by any of the Investors.

In consideration of the mutual promises made herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. **Definitions.** For the purposes of this Agreement, the following terms shall have the meanings set forth below:

“**Additional Financing**” has the meaning set forth in Section 7.14.

“**Additional Financing Deadline**” has the meaning set forth in Section 7.14.

“**Affiliate**” means, with respect to any Person, any other Person which directly or indirectly through one or more intermediaries Controls, is controlled by, or is under common Control with such Person. For the avoidance of doubt, with respect to any Investor that is an investment fund or other investment vehicle, such Investor shall be deemed not to be an Affiliate of (i) any portfolio company of such Investor or its Affiliates or (ii) any limited partner of any such Investor or its Affiliates.

“**ATM Notice**” has the meaning set forth in Section 7.13(a).

“**ATM Offering**” has the meaning set forth in Section 7.12(c).

“**ATM Shares**” has the meaning set forth in Section 7.13(a).

“**Average Price**” has the meaning set forth in Section 7.13(a).

“**BBA**” means 667, L.P. and Baker Brothers Life Sciences, L.P., collectively.

“**Board**” means the board of directors of the Company.

“**Business Day**” means a day, other than a Saturday or Sunday, on which banks in New York City are open for the general transaction of business.

“**Bylaws**” means the Second Amended and Restated By-laws of the Company, as in effect of the date hereof.

“**Call Right Financing**” has the meaning set forth in Section 7.14.

“**Call Right Pro Rata Share**” with respect to any Investor means the percentage determined by dividing (A) the number of shares of Common Stock (including all shares of Common Stock issuable or issued upon exercise of the Pre-Funded Warrants) issued to such Investor in connection with the transactions contemplated by this Agreement by (B) the total number of shares of Common Stock issued in connection with the transactions contemplated by this Agreement (including all shares of Common Stock issued or issuable upon exercise of the Pre-Funded Warrants).

“**Certificate of Incorporation**” has the meaning set forth in Section 4.3.

“**Closing**” has the meaning set forth in Section 3.1.

“**Closing Date**” has the meaning set forth in Section 3.1.

“**Closing Securities**” means the Shares and the Pre-Funded Warrants sold at Closing.

“**Company**” has the meaning set forth in the first paragraph.

“**Common Stock**” has the meaning set forth in the recitals to this Agreement.

“**Company’s Knowledge**” means the actual knowledge of the Company’s executive officers (as defined in Rule 405 under the 1933 Act) of the Company after due inquiry.

“**Control**” (including the terms “controlling,” “controlled by” or “under common control with”) means the possession, direct or indirect, of the power to direct or cause the direction of the management and policies of a Person, whether through the ownership of voting securities, by contract or otherwise.

“**Disqualification Event**” has the meaning set forth in Section 4.24.

“**DTC**” has the meaning set forth in Section 7.1.

“**EDGAR system**” has the meaning set forth in Section 4.9.

“**Election Meeting**” has the meaning set forth in Section 7.9(d).

“**Entity**” means any corporation (including any non-profit corporation), partnership (including any general partnership, limited partnership or limited liability partnership), joint venture, estate, trust, company (including any company limited by shares, limited liability company or joint stock company), firm, society or other enterprise, association, organization or entity, and each of its successors.

“**Environmental Laws**” has the meaning set forth in Section 4.15.

“**Evergreen Cap**” has the meaning set forth in Section 7.7.

“**Expected Sale Date**” has the meaning set forth in Section 7.12(a)(ii).

“**GAAP**” has the meaning set forth in Section 4.17.

“**Governmental Body**” means any: (a) nation, state, commonwealth, province, territory, county, municipality, district or other jurisdiction of any nature; (b) federal, state, local, municipal, foreign or other government; (c) governmental or quasi-governmental authority of any nature (including any governmental division, department, agency, commission, bureau, instrumentality, official, ministry, fund, foundation, center, organization, unit, body or Entity and any court or other tribunal, and for the avoidance of doubt, any taxing authority); or (d) self-regulatory organization.

“**Intellectual Property**” has the meaning set for in Section 4.14.

“**Investor Covered Person**” means, with respect to each Investor, any other Person that is a beneficial owner of such Investor’s securities for purposes of Rule 506(d) under the 1933 Act.

“**Investor Designee**” has the meaning set forth in Section 7.9(b).

“**IT Systems and Data**” has the meaning set forth in Section 4.34.

“**Lead Investors**” means BBA and Samsara.

“**Material Adverse Effect**” means any event, circumstance, development, condition, occurrence, state of facts, change or effect that, individually or in the aggregate with any other event, circumstance, development, condition, occurrence, state of facts, change or effect, has or would reasonably be expected to have a material adverse effect on (i) the assets (including intangible assets), liabilities (actual or contingent), results of operations, financial condition or business of the Company and its subsidiaries taken as a whole as currently conducted or as currently proposed to be conducted, (ii) the legality or enforceability of any of the Transaction Documents or (iii) the ability of the Company to perform its obligations under the Transaction Documents, including preventing or materially delaying or materially impairing such performance, except that for purposes of Section 6.1(h) of this Agreement, in no event shall general financial, credit, capital market or regulatory conditions or any changes therein (provided, however, that such effects do not affect the Company and its subsidiaries taken as a whole disproportionately as compared to the Company’s competitors) constitute a “Material Adverse Effect.”

“**Material Contract**” means any contract, instrument or other agreement to which the Company is a party or by which it is bound that has been filed or was required to have been filed as an exhibit to the SEC Filings pursuant to Item 601(b)(4) or Item 601(b)(10) of Regulation S-K.

“**Nasdaq**” means the Nasdaq Capital Market.

“**New Securities**” means, collectively, equity securities of the Company, whether or not currently authorized, as well as options or warrants to purchase such equity securities, or securities of any type whatsoever that are convertible or exchangeable into or exercisable for such equity securities, other than (i) any shares of capital stock or options to purchase shares of capital stock, or other equity-based awards (including restricted stock units), issued or granted to employees (or prospective employees who have accepted an offer of employment), directors or consultants of the Company or any of its subsidiaries, pursuant to any Company stock-based compensation plan or arrangement; (ii) any securities issued by the Company upon the exercise, exchange or conversion of any securities that are exercisable or exchangeable for, or convertible into, shares of capital stock and are outstanding as of the Closing Date or issued pursuant to this Agreement, provided that such exercise, exchange or conversion is effected pursuant to the terms of such securities as in effect on the Closing Date or as provided in this Agreement; (iii) any securities issued by the Company as full or partial consideration in connection with a merger, acquisition, consolidation or purchase of all or substantially all of the securities or assets of a corporation or other entity approved by the Board; (iv) any securities issued by the Company in connection with a transaction with an unaffiliated third party approved by the Board that includes a bona fide commercial relationship with the Company (including any joint venture, marketing or distribution arrangement, strategic alliance, collaboration agreement or corporate partnering, intellectual property license agreement or acquisition agreement with the Company); and (v) any securities issued by the Company to banks, equipment lessors or other financial institutions, or to real property lessors, pursuant to a debt financing, equipment leasing or real property leasing transaction approved by the Board.

“**Offer Notice**” has the meaning set forth in Section 7.12(a)(ii).

“**Participation Period**” has the meaning set for in Section 7.12(a)(i).

“**Person**” means an individual, Entity or Governmental Body.

“**Pre-Funded Warrants**” has the meaning set forth in the recitals to this Agreement.

“**Principal Trading Market**” means the Trading Market on which the Common Stock is primarily listed on and quoted for trading, which, as of the date of this Agreement and the Closing Date, shall be the Nasdaq Capital Market.

“**Pro Rata Share**” with respect to any Investor means the percentage determined by dividing (A) the number of shares of Common Stock (including all shares of Common Stock issuable or issued upon exercise of the Pre-Funded Warrants and upon conversion or exercise of any other outstanding securities of the Company convertible or exercisable in exchange for shares of Common Stock) owned beneficially by such Investor immediately following the Closing by (B) the total number of shares of outstanding Common Stock (including all shares of Common Stock issued or issuable upon exercise of the Pre-Funded Warrants and upon conversion or exercise of any other outstanding securities of the Company convertible or exercisable in exchange for shares of Common Stock) and all shares reserved for future issuance pursuant to any equity incentive or similar plan) immediately following the Closing.

“**Public Disclosure**” has the meaning set forth in Section 9.7.

“**Qualified Investor**” means any Investor that, together with its Affiliates, continues to own at least 50% of the Closing Securities originally purchased by it (which in the case of the Pre-Funded Warrants shall be calculated by reference to the number of Warrant Shares originally issuable upon exercise thereof without regard to any exercise limitations in the Transaction Documents and shall include any Warrant Shares issued upon exercise thereof that continue to be beneficially owned by such Investor or its Affiliates), as adjusted for stock splits, recapitalizations and other similar events.

“**Registration Rights Agreement**” has the meaning set forth in the recitals to this Agreement.

“**Regulatory Authorities**” has the meaning set forth in Section 4.31(i).

“**Samsara**” means Samsara BioCapital, L.P.

“**SEC**” means the U.S. Securities and Exchange Commission.

“**SEC Filings**” has the meaning set forth in Section 4.8.

“**Securities**” has the meaning set forth in the recitals to this Agreement.

“**Shares**” has the meaning set forth in the recitals to this Agreement.

“**Side Letter**” means the letter agreement intended to be entered into between the Company and each of the Lead Investors in the form of **Exhibit D** attached hereto.

“**Short Sales**” means all “short sales” as defined in Rule 200 of Regulation SHO under the 1934 Act (but shall not be deemed to include the location and/or reservation of borrowable shares of Common Stock).

“**Trading Market**” means whichever of the New York Stock Exchange, the NYSE American, the Nasdaq Global Select Market, the Nasdaq Global Market or the Nasdaq Capital Market on which the Common Stock is listed or quoted for trading on the date in question.

“**Transfer Agent**” has the meaning set forth in Section 7.1.

“**Transaction Documents**” means this Agreement, the Registration Rights Agreement, the Pre-Funded Warrants, all exhibits and schedules thereto and hereto and any other documents or agreements executed in connection with the transactions contemplated thereunder and hereunder.

“**Warrant Shares**” has the meaning set forth in the recitals to this Agreement.

“**1933 Act**” means the Securities Act of 1933, as amended, or any successor statute, and the rules and regulations promulgated thereunder.

“**1934 Act**” means the Securities Exchange Act of 1934, as amended, or any successor statute, and the rules and regulations promulgated thereunder.

2. Purchase and Sale of the Closing Securities. On the Closing Date, upon the terms and subject to the conditions set forth herein, the Company will issue and sell, and each Investor will purchase, severally and not jointly, the number of Shares and the Pre-Funded Warrants to purchase the number of Warrant Shares set forth opposite the name of such Investor under the heading “Number of Shares” and “Number of Warrant Shares underlying Pre-Funded Warrants”, respectively, on **Exhibit A** attached hereto. The Pre-Funded Warrants shall have an exercise price equal to \$0.01 per Warrant Share.

3. Closing.

3.1 Upon the satisfaction or waiver of the conditions set forth in Section 6, the closing of the purchase and sale of the Closing Securities (the “**Closing**”) shall occur remotely via exchange of executed documents and funds as promptly as practicable (but in no event later than the second Business Day following the satisfaction or waiver of the last to be satisfied or waived of the conditions) (the “**Closing Date**”).

3.2 On or before the Closing Date, each Investor shall deliver or cause to be delivered to the Company, via wire transfer of immediately available funds pursuant to the wire instructions delivered to such Investor by the Company prior to the Closing Date, an amount equal to the purchase price to be paid by the Investor for the Closing Securities to be acquired by it as set forth opposite the name of such Investor under the heading “Aggregate Purchase Price of Securities” on **Exhibit A** attached hereto.

3.3 At the Closing, the Company shall deliver or cause to be delivered to each Investor a number of Shares and a Pre-Funded Warrant, registered in the name of the Investor (or its nominee in accordance with its delivery instructions), equal to the number of Shares and, in the case of the Pre-Funded Warrant, to purchase up to the number of Warrant Shares set forth opposite the name of such Investor under the headings “Number of Shares” and “Number of Warrant Shares underlying Pre-Funded Warrants”, respectively, on **Exhibit A** attached hereto, against payment of the purchase price therefor. The Shares shall be delivered via a book-entry record through the Transfer Agent and, as soon as practicable thereafter, the Company shall provide a copy of the records of the Transfer Agent showing the Investor as the owner of the Shares on and as of the Closing Date. The Company shall serve as the Warrant Agent for the Pre-Funded Warrants.

4. Representations and Warranties of the Company. The Company hereby represents and warrants to the Investors as of the date hereof and as of the Closing Date that, except as described in the SEC Filings (excluding (i) any exhibits to the SEC Filings and (ii) any risk factor disclosures and any disclosure of risks included in any “forward-looking statements” disclaimer contained in the SEC Filings), each of which qualify these representations and warranties in their entirety:

4.1 Organization, Good Standing and Qualification. The Company is a corporation duly organized, validly existing and in good standing under the laws of the jurisdiction of its incorporation and has all requisite corporate power and authority to carry on its business as now conducted and to own or lease its properties. The Company is duly qualified to do business as a foreign corporation and is in good standing in each jurisdiction in which the conduct of its business or its ownership or leasing of property makes such qualification or leasing necessary unless the failure to so qualify has not had and would not reasonably be expected to have a Material Adverse Effect. Each subsidiary of the Company has been duly incorporated or organized and is validly existing and in good standing (or such equivalent concepts to the extent they exist under the law of such jurisdiction) under the laws of the jurisdiction of its incorporation or organization, and has all requisite power and authority to carry on its business as now conducted and to own or lease its properties. Each of the Company’s subsidiaries is duly qualified to do business and is in good standing (or such equivalent concept to the extent it exists under the law of such jurisdiction) in each jurisdiction in which the conduct of its business or its ownership or leasing of property makes such qualification necessary unless the failure to so qualify has not had and would not reasonably be expected to have a Material Adverse Effect. Neither the Company nor any subsidiary is in violation nor default of any of the provisions of its respective certificate of incorporation, bylaws or other organizational or charter documents.

4.2 Authorization. The Company has the requisite corporate power and authority and has taken all requisite corporate action necessary for, and no further action on the part of the Company, its officers, directors and stockholders is necessary for, (i) the authorization, execution and delivery of the Transaction Documents, (ii) the authorization of the performance of all obligations of the Company hereunder or thereunder, and (iii) the authorization, issuance (or reservation for issuance) and delivery of the Securities. The Transaction Documents constitute the legal, valid and binding obligations of the Company, enforceable against the Company in accordance with their terms, subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar laws of general applicability, relating to or affecting creditors’ rights generally and to general equitable principles.

4.3 Capitalization.

(a) The Company is authorized under its Amended and Restated Certificate of Incorporation, as amended (the “**Certificate of Incorporation**”) to issue 200,000,000 shares of Common Stock, 100,000,000 shares of Class B common stock, par value \$0.01 per share and 50,000 shares of preferred stock, par value \$0.01 per share. The Company’s disclosure of its issued and outstanding capital stock in its most recent SEC Filing containing such disclosure was accurate in all material respects as of the date indicated in such SEC Filing. Since the date indicated in such SEC Filing, there has not been any change in the Company’s capital stock, other than as a result of the exercise of stock options or the award of stock options, stock appreciation rights, restricted stock or restricted stock units in the ordinary course of business pursuant to the Company’s equity plan described in the SEC Filings. All of the issued and outstanding shares of the Company’s capital stock have been duly authorized and validly issued and are fully paid and nonassessable; none of such shares were issued in violation of any preemptive rights; and such shares were issued in compliance in all material respects with applicable state and federal securities law and any rights of third parties. No Person is entitled to preemptive or similar statutory or contractual rights with respect to the issuance by the Company of any securities of the Company, including, without limitation, the Securities. Except for stock options, stock appreciation rights, restricted stock and restricted stock units approved pursuant to Company equity plan described in the SEC Filings, warrants described in

the SEC Filings, the promissory note issued to G42 Investments AI Holding RSC Ltd described in the SEC Filings, and other agreements described in the SEC Filings, or as otherwise set forth in this Agreement, as of the date hereof there are no outstanding warrants, options, convertible securities or other rights, agreements or arrangements of any character under which the Company is or may be obligated to issue any equity securities of any kind, except as contemplated by this Agreement. There are no voting agreements, buy-sell agreements, option or right of first purchase agreements or other agreements of any kind among the Company and any of the securityholders of the Company relating to the securities of the Company held by them. Except as provided in the Investor Rights Agreement, dated as of June 29, 2015, among the Company, vTv Therapeutics Holdings LLC and other stockholders party thereto from time to time, the Common Stock Purchase Agreement, dated as of May 31, 2022, by and between the Company and G42 Investments and the Common Stock and Warrant Purchase Agreement, dated as of July 22, 2022, by and among the Company, CinPax, LLC and CinRx Pharma, LLC, no Person has the right to require the Company to register any securities of the Company under the 1933 Act, whether on a demand basis or in connection with the registration of securities of the Company for its own account or for the account of any other Person that have not otherwise been satisfied in full or waived.

(b) The issuance and sale of the Securities hereunder will not obligate the Company to issue shares of Common Stock or other securities to any other Person (other than the Investors) and, will not result in the adjustment of the exercise, conversion, exchange or reset price of any outstanding security.

(c) The Company does not have outstanding stockholder purchase rights or a “poison pill” or any similar arrangement in effect giving any Person the right to purchase any equity interest in the Company upon the occurrence of certain events.

4.4 Valid Issuance. The Shares and Pre-Funded Warrants are duly authorized and, when issued, delivered and paid for in accordance with the applicable Transaction Documents, will be validly issued, fully paid and nonassessable and free and clear of all liens, encumbrances, rights of refusal of any kind and restrictions (other than those created by the Investors), except for restrictions on transfer set forth in the Transaction Documents or imposed by applicable securities laws. The Warrant Shares have been duly and validly authorized and reserved for issuance and, upon exercise of the Pre-Funded Warrants in accordance with their respective terms, including the payment of any exercise price therefor, will be validly issued, fully paid and nonassessable and will be free and clear of all liens, encumbrances, rights of refusal of any kind and restrictions (other than those created by the Investors), except for restrictions on transfer set forth in the Transaction Documents or imposed by applicable securities laws. No further approval or authorization of any stockholder, the Board or others is required for the issuance and sale of the Securities.

4.5 Consents. Subject to the accuracy of the representations and warranties of each Investor set forth in Section 5 hereof, the execution, delivery and performance by the Company of the Transaction Documents and the offer, issuance and sale of the Securities require no consent of, action by or in respect of, or filing with, any Person, Governmental Body, agency, or official, including, without limitation, any consent, action by, or approval of stockholders of the Company, other than (a) filings that have been made pursuant to applicable state securities laws, (b) post-sale filings pursuant to applicable state and federal securities laws, (c) filings pursuant to the rules and regulations of Nasdaq and (d) filing of the registration statement, following demand by an Investor pursuant to the Registration Rights Agreement as required to be filed by the Registration Rights Agreement, each of which the Company has filed or undertakes to file within the applicable time, as applicable. Subject to the accuracy of the representations and warranties of each Investor set forth in Section 5 hereof, the Company has taken all action necessary to exempt (i) the issuance and sale of the Securities and (ii) the other transactions contemplated by the Transaction Documents from the provisions of any stockholder rights plan or other “poison pill” arrangement, any anti-takeover, business combination or control share law or statute binding on the Company or to which the Company or any of its assets and properties is subject that is or could reasonably be expected to become applicable to the Investors as a result of the transactions contemplated hereby, including without limitation, the issuance of the Securities and the ownership, disposition or voting of the Securities by the Investors or the exercise of any right granted to the Investors pursuant to this Agreement or the other Transaction Documents.

4.6 Use of Proceeds. The net proceeds of the sale of the Securities hereunder shall be used by the Company for the direct and indirect costs related to the development of TTP 399, working capital and general corporate purposes.

4.7 No Material Adverse Change. Since September 30, 2023, there has not been:

(a) any change in the consolidated assets, liabilities, financial condition or operating results of the Company from that reflected in the financial statements included in the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2023, except for changes in the ordinary course of business which have not had and would not reasonably be expected to have a Material Adverse Effect, individually or in the aggregate;

(b) any declaration or payment by the Company of any dividend, or any authorization or payment by the Company of any distribution, on any of the capital stock of the Company, or any redemption or repurchase by the Company of any securities of the Company;

(c) any material damage, destruction or loss, whether or not covered by insurance, to any assets or properties of the Company or any of its subsidiaries;

(d) any waiver, not in the ordinary course of business, by the Company or any of its subsidiaries of a material right or of a material debt owed to it;

(e) any satisfaction or discharge of any lien, claim or encumbrance or payment of any obligation by the Company or any of its subsidiaries, except in the ordinary course of business and which is not material to the assets, properties, financial condition, operating results or business of the Company and its subsidiaries taken as a whole (as such business is presently conducted);

(f) except for the amendment to the Company's Certificate of Incorporation, effective as of November 20, 2023, in connection with the reverse split of the Common Stock and the Company's Class B common stock, any change or amendment to the Company's Certificate of Incorporation or Bylaws, or material change to any material contract or arrangement by which the Company or any of its subsidiaries is bound or to which any of its assets or properties is subject;

(g) any material labor difficulties or, to the Company's Knowledge, labor union organizing activities with respect to employees of the Company or any of its subsidiaries;

(h) any material transaction entered into by the Company or any of its subsidiaries other than in the ordinary course of business;

(i) the loss of the services of any key employee, or material change in the composition or duties of the senior management of the Company or any of its subsidiaries; or

(j) any other event or condition of any character that has had or would reasonably be expected to have a Material Adverse Effect.

4.8 SEC Filings. The Company has timely filed all reports, schedules, forms, statements and other documents required to be filed by the Company under the 1933 Act and the 1934 Act, including pursuant to Section 13(a) or 15(d) thereof, for the one-year period preceding the date hereof (collectively, the "SEC Filings"). At the time of filing thereof, the SEC Filings complied in all material respects with the

requirements of the 1933 Act or the 1934 Act, as applicable, and the rules and regulations of the SEC thereunder and did not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary in order to make the statements made therein, in the light of the circumstances under which they were made, not misleading.

4.9 No Conflict, Breach, Violation or Default. The execution, delivery and performance of the Transaction Documents by the Company and the issuance and sale of the Securities in accordance with the provisions thereof will not, except (solely in the case of clause (i)(b) and clause (ii)) for such violations, conflicts or defaults as would not reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect, (i) conflict with or result in a breach or violation of (a) any of the terms and provisions of, or constitute a default under, the Company's Certificate of Incorporation or the Company's Bylaws, both as in effect on the date hereof (true and complete copies of which have been made available to the Investors through the Electronic Data Gathering, Analysis, and Retrieval system (the "**EDGAR system**")), or (b) assuming the accuracy of the representations and warranties in Section 5, any applicable statute, rule, regulation or order of any governmental agency or body or any court, domestic or foreign, having jurisdiction over the Company or its subsidiaries, or any of their assets or properties, or (ii) conflict with, or constitute a default (or an event that with notice or lapse of time or both would become a default) under, result in the creation of any lien, encumbrance or other adverse claim upon any of the properties or assets of the Company or its subsidiaries or, except as disclosed in the SEC Filings, give to others any rights of termination, amendment, acceleration or cancellation (with or without notice, lapse of time or both) of, any Material Contract. This Section 4.9 does not relate to matters with respect to tax status, which are the subject of Section 4.10, employee relations and labor matters, which are the subject of Section 4.13, or environmental laws, which are the subject of Section 4.15.

4.10 Tax Matters. The Company and its subsidiaries have timely prepared and filed all material tax returns required to have been filed by them with all appropriate governmental agencies and timely paid all material taxes shown thereon or otherwise owed by them. There are no material unpaid assessments against the Company or any of its subsidiaries, nor, to the Company's Knowledge, any audits by any federal, state or local taxing authority. All material taxes that the Company or any of its subsidiaries is required to withhold or to collect for payment have been duly withheld and collected and paid to the proper governmental entity or third party when due. There are no tax liens pending or, to the Company's Knowledge, threatened against the Company or any of subsidiaries or any of its of their respective assets or property. With the exception of agreements or other arrangements that are not primarily related to taxes entered into in the ordinary course of business, there are no outstanding tax sharing agreements or other such arrangements between the Company or any of its subsidiaries and any other corporation or entity (other than among the Company and any subsidiary of the Company).

4.11 Title to Properties. The Company and its subsidiaries have good and marketable title to all real properties and all other material properties and assets owned by them, in each case free from liens, encumbrances and defects, except such as would not reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect; and the Company and its subsidiaries hold any leased real or personal property under valid and enforceable leases with no exceptions, except such as would not reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect.

4.12 Certificates, Authorities and Permits. The Company and its subsidiaries possesses adequate certificates, authorities or permits issued by appropriate governmental agencies or bodies necessary to conduct the business now operated by them, except where failure to so possess would not reasonably be expected, individually or in the aggregate, to result in a Material Adverse Effect. Neither the Company nor any of its subsidiaries has received any written notice of proceedings relating to the revocation or modification of any such certificate, authority or permit that would reasonably be expected to have a Material Adverse Effect, individually or in the aggregate.

4.13 Labor Matters.

(a) Neither the Company nor any of its subsidiaries is party to or bound by any collective bargaining agreements or other agreements with labor organizations. To the Company's Knowledge, neither the Company nor any of its subsidiaries has violated in any material respect any laws, regulations, orders or contract terms affecting the collective bargaining rights of employees or labor organizations, or any laws, regulations or orders affecting employment discrimination, equal opportunity employment, or employees' health, safety, welfare, wages and hours.

(b) No material labor dispute with the employees of the Company or any of its subsidiaries, or with the employees of any principal supplier, manufacturer, customer or contractor of the Company or any of its subsidiaries, exists or, to the Company's Knowledge, is threatened or imminent.

4.14 Intellectual Property. The Company and its subsidiaries own, possess, license or have other rights to use, all patents, patent applications, trade and service marks, trade and service mark registrations, trade names, copyrights, licenses, inventions, trade secrets, technology, know-how and other intellectual property that are described in the SEC Filings as being owned, possess, licensed or used by the Company and its subsidiaries (collectively, the "**Intellectual Property**"); and to the Company's Knowledge, no additional third party intellectual property rights are necessary for the conduct of the business of the Company and its subsidiaries in all material respects as now conducted or as proposed in the SEC Filings to be conducted; and (a) except as described in the SEC filings, there are no rights of third parties to any such Intellectual Property owned by the Company and its subsidiaries, including no liens, security interests or other encumbrances; (b) to the Company's Knowledge, there is no material infringement by third parties of any such Intellectual Property; (c) there is no pending or, to the Company's Knowledge, threatened action, suit, proceeding or claim by others challenging the Company's or its subsidiaries' rights in or to any such Intellectual Property, and the Company is unaware of any facts, which could form a reasonable basis for any such action, suit, proceeding or claim; (d) such Intellectual Property that is described in the SEC Filings has not been adjudged by a court of competent jurisdiction to be invalid or unenforceable, in whole or in part; (e) there is no pending or, to the Company's Knowledge, threatened action, suit, proceeding or claim by others challenging the validity or scope of any such Intellectual Property that is owned by or exclusively licensed to the Company or its subsidiaries, including interferences, oppositions, reexaminations or government proceedings; (f) there is no pending or, to the Company's Knowledge, threatened action, suit, proceeding or claim by others that the Company or its subsidiaries infringe, misappropriate, or otherwise violate any patent, trademark, copyright, trade secret or other proprietary rights of others; (g) to the Company's Knowledge, there is no third-party U.S. patent or published U.S. patent application which contains claims for which an Interference Proceeding (as defined in 35 U.S.C. § 135) has been commenced against any patent or patent application described in the SEC Filings as being owned by or exclusively licensed to the Company or its subsidiaries; (h) to the Company's Knowledge, the Company and its subsidiaries have complied in all material respects with the terms of each agreement pursuant to which Intellectual Property has been licensed to the Company or such subsidiary, and all such agreements are in full force and effect; and (i) each key employee of the Company or any of its subsidiaries and each employee of the Company or any of its subsidiaries involved with the development of Intellectual Property that is material to the Company and its subsidiaries has entered into an invention assignment agreement with the Company or the applicable subsidiary of the company, and to the Company's Knowledge, no such employee is in violation of such confidential information and invention assignment agreement or any prior employee contract or proprietary information agreement with any other corporation or third party.

4.15 Environmental Matters. Neither the Company nor any of its subsidiaries is in violation of any statute, rule, regulation, decision or order of any governmental agency or body or any court, domestic or foreign, relating to the use, disposal or release of hazardous or toxic substances or relating to the protection or restoration of the environment or human exposure to hazardous or toxic substances

(collectively, “**Environmental Laws**”), has not released any hazardous substances regulated by Environmental Laws onto any real property that it owns or operates, and has not received any written notice or claim it is liable for any off-site disposal or contamination pursuant to any Environmental Laws, which violation, release, notice, claim, or liability would reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect, and to the Company’s Knowledge, there is no pending or threatened investigation that would reasonably be expected to lead to such a claim.

4.16 Legal Proceedings. There are no legal, governmental or regulatory investigations, actions, suits or proceedings pending, or to the Company’s Knowledge, threatened to which the Company or its subsidiaries are, or may reasonably be expected to become, a party or to which any property of the Company or its subsidiaries are, or may reasonably be expected to become, the subject that, individually or in the aggregate, would reasonably be expected to have a Material Adverse Effect. Neither the Company nor any of its subsidiaries is a party or subject to the provisions of any order, writ, injunction, judgment or decree of any court or government agency or instrumentality. There is no action, suit or proceeding initiated by the Company or any of its subsidiaries currently pending or which the Company or any of its subsidiaries currently intends to initiate.

4.17 Financial Statements. The financial statements included in each SEC Filing comply as to form in all material respects with applicable accounting requirements and the rules and regulations of the SEC with respect thereto as in effect at the time of filing (or to the extent corrected by a subsequent restatement) and present fairly, in all material respects, the consolidated financial position of the Company as of the dates shown and its consolidated results of operations and cash flows for the periods shown, subject in the case of unaudited financial statements to normal, immaterial year-end audit adjustments, and such financial statements have been prepared in conformity with United States generally accepted accounting principles applied on a consistent basis during the periods involved (“**GAAP**”) (except as may be disclosed therein or in the notes thereto, and except that the unaudited financial statements may not contain all footnotes required by GAAP, and, in the case of quarterly financial statements, except as permitted by Form 10-Q under the 1934 Act). Except as set forth in the financial statements of the Company included in the SEC Filings or as otherwise disclosed in the SEC Filings filed prior to the date hereof, the Company and its subsidiaries have not incurred any liabilities, contingent or otherwise, except those incurred in the ordinary course of business, consistent (as to amount and nature) with past practices since the date of such financial statements, none of which, individually or in the aggregate, have had or would reasonably be expected to have a Material Adverse Effect. The interactive data in eXtensible Business Reporting Language included or incorporated by reference in the SEC Filings fairly present the information called for in all material respects and have been prepared in accordance with the SEC’s rules and guidelines applicable thereto.

4.18 Insurance Coverage. The Company and its subsidiaries maintain in full force and effect insurance coverage that is customary for comparably situated companies for the business being conducted and properties owned or leased by the Company and its subsidiaries, and the Company reasonably believes such insurance coverage to be adequate against all liabilities, claims and risks against which it is customary for comparably situated companies to insure.

4.19 Compliance with Nasdaq Continued Listing Requirements. The Company is in compliance with applicable Nasdaq continued listing requirements. There are no proceedings pending or threatened against the Company relating to the continued listing of the Common Stock on Nasdaq and the Company has not received any notice of, nor to the Company’s Knowledge is there any reasonable basis for, the delisting of the Common Stock from Nasdaq.

4.20 Brokers and Finders. No Person will have, as a result of the transactions contemplated by the Transaction Documents, any valid right, interest or claim against or upon the Company or an Investor for any commission, fee or other compensation pursuant to any agreement, arrangement or understanding entered into by or on behalf of the Company or any of its subsidiaries. No Investor shall have any obligation with respect to any fees, or with respect to any claims made by or on behalf of other Persons for fees, in each case of the type contemplated by this Section 4.20 that may be due in connection with the transactions contemplated by this Agreement or the Transaction Documents.

4.21 No Directed Selling Efforts or General Solicitation. Neither the Company nor its subsidiaries nor any Person acting on its or their behalf has conducted any general solicitation or general advertising in connection with the offer or sale of any of the Securities.

4.22 No Integrated Offering. Assuming the accuracy of the Investors' representations and warranties set forth in Section 5, neither the Company nor its subsidiaries nor any Person acting on its or their behalf has, directly or indirectly, made any offers or sales of any Company security or solicited any offers to buy any Company security, under circumstances that would adversely affect reliance by the Company on Section 4(a)(2) of the 1933 Act and Rule 506 under the 1933 Act for the exemption from registration for the transactions contemplated hereby or would require registration of the Securities under the 1933 Act.

4.23 Private Placement. Assuming the accuracy of the representations and warranties of the Investors set forth in Section 5, the offer and sale of the Closing Securities to the Investors are exempt from the registration requirements of the 1933 Act pursuant to Section (4)(a)(2) of the 1933 Act and Rule 506 under the 1933 Act. The issuance and sale of the Closing Securities do not contravene the rules and regulations of Nasdaq.

4.24 No Disqualification Events. With respect to the Shares and Pre-Funded Warrants to be offered and sold hereunder in reliance on Rule 506 under the 1933 Act, none of the Company, any of its predecessors, any affiliated issuer, any director, executive officer, other officer of the Company participating in the offering hereunder, any beneficial owner of 20% or more of the Company's outstanding voting equity securities, calculated on the basis of voting power, nor any promoter (as that term is defined in Rule 405 under the 1933 Act) connected with the Company in any capacity at the time of sale is subject to any of the "Bad Actor" disqualifications described in Rule 506(d)(1)(i) to (viii) under the 1933 Act (a "**Disqualification Event**"), except for a Disqualification Event covered by Rule 506(d)(2) or (d)(3). The Company has complied, to the extent applicable, with its disclosure obligations under Rule 506(e), and has furnished to the Investors a copy of any disclosures provided thereunder.

4.25 Questionable Payments. Neither the Company nor its subsidiaries nor, to the Company's Knowledge, any of their current or former directors, officers, employees, agents or other Persons acting on behalf of the Company or its subsidiaries, has on behalf of the Company or its subsidiaries in connection with their business: (a) used any corporate funds for unlawful contributions, gifts, entertainment or other unlawful expenses relating to political activity; (b) made any direct or indirect unlawful payments to any governmental officials or employees from corporate funds; (c) established or maintained any unlawful or unrecorded fund of corporate monies or other assets which is in violation of law; (d) made any false or fictitious entries on the books and records of the Company or its subsidiaries; or (e) made any unlawful bribe, rebate, payoff, influence payment, kickback or other unlawful payment of any nature.

4.26 Transactions with Affiliates. None of the executive officers or directors of the Company or any of its subsidiaries and, to the Company's Knowledge, none of the employees of the Company or any of its subsidiaries is presently a party to any transaction with the Company or any of its subsidiaries (other than as holders of stock options, restricted stock units, warrants and/or restricted stock, and for services as employees, officers and directors), including any contract, agreement or other arrangement providing for the furnishing of services to or by, providing for rental of real or personal property to or from, or otherwise requiring payments to or from any officer, director or such employee or, to the Company's Knowledge, any entity in which any officer, director, or any such employee has a substantial interest or is an officer, director, trustee or partner.

4.27 Internal Controls. The Company has established and maintains disclosure controls and procedures (as defined in Rules 13a-15 and 15d-15 under the 1934 Act), which (a) are designed to ensure that material information relating to the Company, including its subsidiaries, is made known to the Company's principal executive officer and its principal financial officer by others within those entities; (b) have been evaluated by management of the Company for effectiveness as of the end of the Company's most recent fiscal quarter; and (c) are effective in all material respects to perform the functions for which they were established. Since the end of the Company's most recent audited fiscal year, there have been no material weaknesses in the Company's internal control over financial reporting (whether or not remediated) and no change in the Company's internal control over financial reporting that has materially affected, or would reasonably be expected to materially affect, the Company's internal control over financial reporting. The Company is not aware of any change in its internal controls over financial reporting that has occurred during its most recent fiscal quarter that has materially affected, or would reasonably be expected to materially affect, the Company's internal control over financial reporting.

4.28 Disclosures. Neither the Company nor any Person acting on its behalf has provided the Investors or their agents or counsel with any information that constitutes or would reasonably be expected to constitute material non-public information concerning the Company or its subsidiaries, other than with respect to the transactions contemplated hereby, which will be disclosed in the Public Disclosure (as defined below). The SEC Filings do not contain any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements contained therein, in light of the circumstances under which they were made, not misleading. The Company understands and confirms that the Investors will rely on the foregoing representations in effecting transactions in securities of the Company.

4.29 Required Filings. Except for the transactions contemplated by this Agreement, including the acquisition of the Securities contemplated hereby, no event or circumstance has occurred or information exists with respect to the Company, its subsidiaries or their respective businesses, properties, operations or financial condition, which, under applicable law, rule or regulation, requires public disclosure or announcement by the Company but which has not been so publicly announced or disclosed.

4.30 Investment Company. The Company is not required to be registered as, and immediately following the Closing will not be required to register as, an "investment company" within the meaning of the Investment Company Act of 1940, as amended.

4.31 Tests and Preclinical and Clinical Trials. The preclinical studies and clinical trials conducted by or on behalf of or sponsored by the Company or its subsidiaries, or in which the Company or its subsidiaries have participated, that are described in the SEC Filings, or the results of which are referred to in the SEC Filings, as applicable, were, and if still pending are, being conducted in all material respects in accordance with standard medical and scientific research standards and procedures for products or product candidates comparable to those being developed by the Company and its subsidiaries and all applicable statutes and all applicable rules and regulations of the U.S. Food and Drug Administration and comparable regulatory agencies outside of the United States to which they are subject (collectively, the "**Regulatory Authorities**"); (ii) the descriptions in the SEC Filings of the results of such studies and trials are accurate and complete in all material respects and fairly present the data derived therefrom; (iii) to the Company's Knowledge, there are no other studies or trials not described in the SEC Filings, the results of which the Company believes are inconsistent with or reasonably call into question the results described or referred to in the SEC Filings; (iv) the Company and its subsidiaries have operated at all times and are currently in compliance with all applicable statutes, rules and regulations of the Regulatory Authorities, except where such non-compliance would not, individually or in the aggregate, have a Material Adverse Effect; and (v) neither the Company nor any of its subsidiaries have received any written notices,

correspondence or other communications from the Regulatory Authorities or any other governmental agency requiring or threatening the termination, material modification or suspension of any preclinical studies or clinical trials that are described in the SEC Filings or the results of which are referred to in the SEC Filings, other than ordinary course communications with respect to modifications in connection with the design and implementation of such studies or trials, and, to the Company's Knowledge, there are no reasonable grounds for the same.

4.32 Manipulation of Price. The Company has not taken, and, to the Company's Knowledge, no Person acting on its behalf has taken, directly or indirectly, any action designed to cause or to result in the stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of any of the Securities.

4.33 Anti-Bribery and Anti-Money Laundering Laws. Each of the Company, its subsidiaries and its and their respective officers, directors, supervisors, managers, agents, or employees, are and have at all times been in compliance with and their participation in the offering will not violate: (A) anti-bribery laws, including but not limited to, any applicable law, rule, or regulation of any locality, including but not limited to any law, rule, or regulation promulgated to implement the OECD Convention on Combating Bribery of Foreign Public Officials in International Business Transactions, signed December 17, 1997, including the U.S. Foreign Corrupt Practices Act of 1977, as amended, the U.K. Bribery Act 2010, or any other law, rule or regulation of similar purposes and scope or (B) anti-money laundering laws, including, but not limited to, applicable federal, state, international, foreign or other laws, regulations or government guidance regarding anti-money laundering, including, without limitation, Title 18 US. Code sections 1956 and 1957, the Patriot Act, the Bank Secrecy Act, and international anti-money laundering principles or procedures by an intergovernmental group or organization, such as the Financial Action Task Force on Money Laundering, of which the United States is a member and with which designation the United States representative to the group or organization continues to concur, all as amended, and any Executive order, directive, or regulation pursuant to the authority of any of the foregoing, or any orders or licenses issued thereunder.

4.34 Cybersecurity. Except as would not, individually or in the aggregate, have a Material Adverse Effect, (i) the Company and its subsidiaries are presently in compliance with all applicable laws or statutes and all judgments, orders, rules and regulations of any court or arbitrator or governmental or regulatory authority, internal policies and contractual obligations relating to the privacy and security of the Company's or any subsidiary's information technology and computer systems, networks, hardware, software, data (including the data of its respective customers, employees, suppliers, vendors and any third party data maintained by or on behalf of it), equipment or technology (collectively, "**IT Systems and Data**") and to the protection of such IT Systems and Data from unauthorized use, access, misappropriation or modification; (ii) there has been no security breach or other compromise of or relating to such IT Systems and Data and neither the Company nor any of its subsidiaries has been notified of, or has knowledge of any event or condition that would reasonably be expected to result in, any security breach or other compromise to such IT Systems and Data; (iii) the Company and its subsidiaries have implemented and maintained commercially reasonable safeguards to maintain and protect its material confidential information and the integrity, continuous operation, redundancy and security of all IT Systems and Data; and (iv) the Company and its subsidiaries have implemented backup and disaster recovery technology consistent with commercially reasonable industry standards and practices.

4.35 No Additional Agreements. The Company has not entered into any other agreement or understanding (including, without limitation, side letters) with any Investor to purchase the Closing Securities or on terms more favorable to such Investor than as set forth herein.

4.36 Shell Company Status. The Company is not, and has never been, an issuer identified in Rule 144(i)(1).

4.37 Compliance. Neither the Company nor any of its subsidiaries is (i) in default under or in violation of (and no event has occurred that has not been waived that, with notice or lapse of time or both, would result in a default by the Company or subsidiary of the Company under), nor has the Company or any subsidiary of the Company received notice of a claim that it is in default under or that it is in violation of, any indenture, loan or credit agreement or any other agreement or instrument to which it is a party or by which it or any of its properties is bound (whether or not such default or violation has been waived) or (ii) in violation of any judgment, decree or order of any court, arbitrator or Governmental Body, except in each case as could not have or reasonably be expected to result in a Material Adverse Effect.

4.38 Subsidiaries. All of the direct and indirect subsidiaries of the Company are set forth on Schedule 4.38. The Company owns, directly or indirectly, all of the capital stock or other equity interests of each such subsidiary free and clear of any lien, charge, pledge, security interest, encumbrance, right of first refusal, preemptive right or other restriction), and all of the issued and outstanding shares of capital stock of each such subsidiary are validly issued and are fully paid, non-assessable and free of preemptive and similar rights to subscribe for or purchase securities.

5. Representations and Warranties of the Investors. Each of the Investors hereby severally, and not jointly, represents and warrants to the Company that:

5.1 Organization and Existence. Such Investor is a duly incorporated or organized and validly existing corporation, limited partnership, limited liability company or other legal entity, has all requisite corporate, partnership or limited liability company power and authority to enter into and consummate the transactions contemplated by the Transaction Documents and to carry out its obligations hereunder and thereunder, and to invest in the Securities pursuant to this Agreement, and is in good standing under the laws of the jurisdiction of its incorporation or organization.

5.2 Authorization. The execution, delivery and performance by such Investor of the Transaction Documents to which such Investor is a party have been duly authorized and each has been duly executed and when delivered will constitute the valid and legally binding obligation of such Investor, enforceable against such Investor in accordance with their respective terms, subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar laws of general applicability, relating to or affecting creditors' rights generally, and general principles of equity.

5.3 Purchase Entirely for Own Account. The Securities to be received by such Investor hereunder will be acquired for such Investor's own account, not as nominee or agent, for the purpose of investment and not with a view to the resale or distribution of any part thereof in violation of the 1933 Act, and such Investor has no present intention of selling, granting any participation in, or otherwise distributing the same in violation of the 1933 Act without prejudice, however, to such Investor's right at all times to sell or otherwise dispose of all or any part of such Securities in compliance with applicable federal and state securities laws. The Securities are being purchased by such Investor in the ordinary course of its business. Nothing contained herein shall be deemed a representation or warranty by such Investor to hold the Securities for any period of time. Such Investor is not a broker-dealer registered with the SEC under the 1934 Act or an entity engaged in a business that would require it to be so registered.

5.4 Investment Experience. Such Investor acknowledges that it can bear the economic risk and complete loss of its investment in the Securities and has such knowledge and experience in financial or business matters that it is capable of evaluating the merits and risks of the investment contemplated hereby.

5.5 Disclosure of Information. Such Investor has had an opportunity to receive, review and understand all information related to the Company requested by it and to ask questions of and receive answers from the Company regarding the Company, its business and the terms and conditions of the offering of the Securities, and has conducted and completed its own independent due diligence. Such

Investor acknowledges that copies of the SEC Filings are available on the EDGAR system. Based on the information such Investor has deemed appropriate, it has independently made its own analysis and decision to enter into the Transaction Documents. Such Investor is relying exclusively on its own investment analysis and due diligence (including professional advice it deems appropriate) with respect to the execution, delivery and performance of the Transaction Documents, the Securities and the business, condition (financial and otherwise), management, operations, properties and prospects of the Company, including but not limited to all business, legal, regulatory, accounting, credit and tax matters. Neither such inquiries nor any other due diligence investigation conducted by such Investor shall modify, limit or otherwise affect such Investor's right to rely on the Company's representations and warranties contained in this Agreement.

5.6 Restricted Securities. Such Investor understands that the Securities are characterized as "restricted securities" under the U.S. federal securities laws inasmuch as they are being acquired from the Company in a transaction not involving a public offering and that under such laws and applicable regulations such securities may be resold without registration under the 1933 Act only in certain limited circumstances.

5.7 No Public Market. Such Investor understands that no public market now exists for the Pre-Funded Warrants, no market for the Pre-Funded Warrants may develop and the Company has made no assurances that a public market will ever exist for the Pre-Funded Warrants and does not intend to register the Pre-Funded Warrants under the 1933 Act or apply for listing of the Pre-Funded Warrants on a securities exchange or securities market.

5.8 Legends. It is understood that, except as provided below, certificates or book-entry positions evidencing the Shares and Warrant Shares may bear the following or any similar legend(s):

(a) "THE OFFER AND SALE OF THESE SECURITIES REPRESENTED HEREBY HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR THE SECURITIES LAW OF ANY STATE OF THE UNITED STATES. THE SECURITIES MAY NOT BE SOLD, OFFERED FOR SALE, PLEDGED, HYPOTHECATED, TRANSFERRED OR ASSIGNED IN THE ABSENCE OF AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER APPLICABLE SECURITIES LAWS, OR UNLESS OFFERED, SOLD, PLEDGED, HYPOTHECATED OR TRANSFERRED PURSUANT TO AN AVAILABLE EXEMPTION FROM THE REGISTRATION REQUIREMENTS OF THOSE LAWS. THE COMPANY AND ITS TRANSFER AGENT SHALL BE ENTITLED TO REQUIRE AN OPINION OF COUNSEL SATISFACTORY TO THE COMPANY AND THE TRANSFER AGENT THAT SUCH REGISTRATION IS NOT REQUIRED. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES."

(b) If required by the authorities of any state in connection with the issuance or sale of the Shares and Warrant Shares, the legend required by such state authority.

5.9 Investor Status. At the time such Investor was offered the Closing Securities, it was, and as of the date hereof it is, either: (i) an "accredited investor" within the meaning of Rule 501(a) of the 1933 Act or (ii) a "qualified institutional buyer" as defined Rule 144A(a) under the 1933 Act. Such investor is a sophisticated institutional investor with sufficient knowledge and experience in investing in private equity transactions to properly evaluate the risks and merits of its purchase of the Securities. Such Investor has determined based on its own independent review, analysis and such professional advice as it deems appropriate that its purchase of the Securities and participation in the transactions contemplated by the Transaction Documents (i) are fully consistent with its financial needs, objectives and condition, (ii) comply and are fully consistent with all investment policies, guidelines and other restrictions applicable to such Investor, (iii) have been duly authorized and approved by all necessary action, (iv) do not and will not

violate or constitute a default under such Investor's charter, bylaws or other constituent document or under any law, rule, regulation, agreement or other obligation by which such Investor is bound and (v) are a fit, proper and suitable investment for such Investor, notwithstanding the substantial risks inherent in investing in or holding the Securities. Furthermore, each such Investor is an "Institutional Account" as defined in FINRA Rule 4512(c). No "bad actor" disqualification is applicable to such Investor or, to such Investor's knowledge, any Investor Covered Person, except for a Disqualification Event as to which Rule 506(d)(2) or (d)(3), is applicable.

5.10 No General Solicitation. Such Investor did not learn of the investment in the Securities as a result of any general or public solicitation or general advertising, or publicly disseminated advertisements or sales literature, including (a) any advertisement, article, notice or other communication published in any newspaper, magazine, website, or similar media, or broadcast over television or radio, or (b) any seminar or meeting to which such Investor was invited by any of the foregoing means of communications.

5.11 Brokers and Finders. No Person will have, as a result of the transactions contemplated by the Transaction Documents, any valid right, interest or claim against or upon the Company or an Investor for any commission, fee or other compensation pursuant to any agreement, arrangement or understanding entered into by or on behalf of such Investor.

5.12 Short Sales and Confidentiality Prior to the Date Hereof. Other than consummating the transactions contemplated hereunder, such Investor has not, nor has any Person acting on behalf of or pursuant to any understanding with such Investor, directly or indirectly executed any purchases or sales, including Short Sales, of the securities of the Company during the period commencing as of the time that such Investor first contacted the Company or any other Person regarding the transactions contemplated hereby and ending immediately prior to the date hereof. Other than to other Persons party to this Agreement and other than to such Person's outside attorney, accountant, auditor or investment advisor only to the extent necessary to permit evaluation of the investment, and the performance of the necessary or required tax, accounting, financial, legal, or administrative tasks and services and other than as may be required by law, such Investor has maintained the confidentiality of all disclosures made to it in connection with this transaction (including the existence and terms of this transaction). Notwithstanding the foregoing, for avoidance of doubt, nothing contained herein shall constitute a representation or warranty, or preclude any actions, with respect to the identification of the availability of, or securing of, available shares to borrow in order to effect Short Sales or similar transactions in the future.

5.13 No Government Recommendation or Approval. Such Investor understands that no United States federal or state agency, or similar agency of any other country, has reviewed, approved, passed upon, or made any recommendation or endorsement of the Company or the purchase of the Securities.

5.14 Residency. Such Investor's office in which its investment decision with respect to the Securities was made is located at the address immediately below such Investor's name on its signature page hereto.

5.15 No Conflicts. The execution, delivery and performance by such Investor of the Transaction Documents and the consummation by such Investor of the transactions contemplated hereby and thereby will not (i) result in a violation of the organizational documents of such Investor or (ii) conflict with, or constitute a default (or an event which with notice or lapse of time or both would become a default) under, or give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, indenture or instrument to which such Investor is a party, or (iii) result in a violation of any law, rule, regulation, order, judgment or decree (including federal and state securities laws) applicable to such Investor, except in the case of clauses (ii) and (iii) above, for such conflicts, defaults, rights or violations which would not, individually or in the aggregate, reasonably be expected to have a material adverse effect on the ability of such Investor to perform its obligations hereunder.

6. Conditions to Closing.

6.1 Conditions to the Investors' Obligations. The obligation of each Investor to purchase Closing Securities at the Closing is subject to the fulfillment to such Investor's satisfaction, on or prior to the Closing Date, of the following conditions, any of which may be waived by such Investor (as to itself only):

(a) The representations and warranties made by the Company in Section 4 hereof shall be true and correct in all material respects, except for those representations and warranties qualified by materiality or Material Adverse Effect, which shall be true and correct in all respects, as of the date hereof and as of the Closing Date, as though made on and as of such date, except to the extent any such representation or warranty expressly speaks as of an earlier date, in which case such representation or warranty shall be true and correct in all material respects, except for those representations and warranties qualified by materiality or Material Adverse Effect, which shall be true and correct in all respects, as of such earlier date. The Company shall have performed in all material respects all obligations and covenants herein required to be performed by it on or prior to the Closing Date.

(b) The Company shall have obtained any and all consents, permits, approvals, registrations and waivers necessary for the consummation of the purchase and sale of the Closing Securities and the consummation of the other transactions contemplated by the Transaction Documents, all of which shall be in full force and effect.

(c) The Company shall have filed with Nasdaq a Listing of Additional Shares notification form for the listing of the Closing Securities.

(d) The Company shall have executed and delivered the Registration Rights Agreement.

(e) No judgment, writ, order, injunction, award or decree of or by any court, or judge, justice or magistrate, including any bankruptcy court or judge, or any order of or by any Governmental Body, shall have been issued, and no action or proceeding shall have been instituted by any Governmental Body, enjoining or preventing the consummation of the transactions contemplated hereby or in the other Transaction Documents.

(f) The Company shall have delivered a Certificate, executed on behalf of the Company by its Chief Executive Officer or its Chief Accounting Officer, dated as of the Closing Date, certifying to the fulfillment of the conditions specified in subsections (a), (b), (e), (h), and (i) of this Section 6.1.

(g) The Company shall have delivered a Certificate, executed on behalf of the Company by its Secretary, dated as of the Closing Date, certifying the resolutions adopted by the Board approving the transactions contemplated by the Transaction Documents, the issuance of the Securities, certifying the current versions of the Certificate of Incorporation and Bylaws of the Company and certifying as to the signatures and authority of persons signing the Transaction Documents and related documents on behalf of the Company.

(h) There shall have been no Material Adverse Effect with respect to the Company since the date hereof.

(i) No stop order or suspension of trading shall have been imposed by Nasdaq, the SEC or any other governmental or regulatory body with respect to public trading in the Common Stock.

(j) This Agreement shall not have been terminated as to such Investor in accordance with Section 6.3 herein.

(k) The Company shall have delivered a legal opinion of Dechert LLP, counsel to the Company, dated as of the Closing Date, in form and substance reasonably satisfactory to the Investors, which the Investors shall be entitled to rely upon.

(l) The Company shall have executed and delivered the Pre-Funded Warrant purchased by such Investor, registered in each such Investor's name.

(m) In the case of the Lead Investors, the Company shall have executed and delivered each Side Letter.

(n) The Board shall have, effective as of the Closing Date, (i) elected Dr. Raymond Cheong, who shall be considered the First Designee for purposes of Section 7.9(a) and Dr. Srinivas Akkaraju, who shall be considered the Third Designee for purposes of Section 7.9(b), to the Board, (ii) requested and received the resignations of Dr. Isaacsohn and Mr. Kozlov, from the Board, (iii) determined to request the resignations of Dr. Weiner and Mr. Fry from the Board following the filing of the Company's Annual Report on Form 10-K for the year ended December 31, 2023, (iv) determined to request the resignation of Dr. Harris from the Board following the later of (a) the filing of the Company's Annual Report on Form 10-K for the year ended December 31, 2023 and (b) the appointment of a director pursuant to Section 7.9(c), and (v) adopted written policies to require the approval of each of Dr. Cheong, Dr. Akkaraju, Mr. Nelson, Dr. Al Marzooqi, and Mr. Sekhri, to approve any sale of New Securities of the Company by the Board between the Closing Date and the date on which the Board has removed the directors pursuant to clause (iii) hereof.

6.2 Conditions to Obligations of the Company. The Company's obligation to sell and issue Closing Securities at the Closing to each Investor is subject to the fulfillment to the satisfaction of the Company on or prior to the Closing Date of the following conditions, any of which may be waived by the Company:

(a) The representations and warranties made by such Investor in Section 5 hereof shall be true and correct in all material respects, except for those representations and warranties qualified by materiality or Material Adverse Effect, which shall be true and correct in all respects, as of the date hereof and as of the Closing Date, as though made on and as of such date, except to the extent any such representation or warranty expressly speaks as of an earlier date, in which case such representation or warranty shall be true and correct in all material respects, except for those representations and warranties qualified by materiality or Material Adverse Effect, which shall be true and correct in all respects, as of such earlier date. Such Investor shall have performed in all material respects all obligations and covenants herein required to be performed by them on or prior to the Closing Date.

(b) Such Investor purchasing Closing Securities at the Closing shall have paid in full its purchase price to the Company.

(c) Such Investors shall have executed and delivered the Registration Rights Agreement.

(d) This Agreement shall not have been terminated as to such Investor in accordance with Section 6.3 herein.

(e) In the case of the Lead Investors, each Lead Investor shall have executed and delivered a Side Letter.

6.3 Termination of Obligations to Effect Closing; Effects.

(a) The obligations of the Company, on the one hand, and the Investors, on the other hand, to effect the Closing shall terminate as follows:

(i) Upon the mutual written consent of the Company and Investors that agreed to purchase a majority of the Shares and Warrant Shares underlying the Pre-Funded Warrants to be issued and sold pursuant to this Agreement;

(ii) By either the Company or any Investor (with respect to itself only) if the Closing has not occurred on or prior to February 29, 2024; *provided, however*, that, except in the case of clause (i) above, the party seeking to terminate its obligation to effect the Closing shall not then be in breach of any of its representations, warranties, covenants or agreements contained in this Agreement or the other Transaction Documents if such breach has resulted in the circumstances giving rise to such party's seeking to terminate its obligation to effect the Closing.

(b) In the event of termination by the Company or any Investor of its obligations to effect the Closing pursuant to Section 6.3, written notice thereof shall be given to the other Investors by the Company, and the other Investors shall have the right to terminate their obligations to effect the Closing upon written notice to the Company and the other Investors. Nothing in this Section 6.3 shall be deemed to release any party from any liability for any breach by such party of the terms and provisions of this Agreement or the other Transaction Documents or to impair the right of any party to compel specific performance by any other party of its obligations under this Agreement or the other Transaction Documents.

7. Covenants and Agreements of the Parties

7.1 Removal of Legends. Subject to receipt from the Investor by the Company and the transfer agent for the Common Stock (the "**Transfer Agent**") of customary representations and other documentation reasonably acceptable to the Company and the Transfer Agent in connection therewith, upon the earliest of such time as the Shares and the Warrant Shares (i) have been sold or transferred pursuant to an effective registration statement under the 1933 Act, (ii) have been sold pursuant to Rule 144 or any other exemption under the 1933 Act, or (iii) are eligible for resale under Rule 144(b)(1) or any successor provision, the Company shall, in accordance with the provisions of this Section 7.1 and within the standard settlement period for the Principal Trading Market that is then in effect, after any request therefor from an Investor accompanied by such customary and reasonably acceptable documentation referred to above, (A) deliver to the Transfer Agent irrevocable instructions that the Transfer Agent shall make a new, unlegended entry for such book entry shares, and (B) cause its counsel to deliver to the Transfer Agent one or more opinions to the effect that the removal of such legends in such circumstances may be effected under the 1933 Act if required by the Transfer Agent to effect the removal of the legend in accordance with the provisions of this Agreement. Any shares subject to legend removal under this Section 7.1 may be transmitted by the Transfer Agent to the Investor by crediting the account of the Investor's prime broker with the Depository Trust Company's ("**DTC**") system as directed by such Investor. The Company shall be responsible for the fees of its Transfer Agent and any DTC fees associated with such issuance.

7.2 Transfer Restrictions. Each Investor agrees that it will sell, transfer or otherwise dispose of the Securities only in compliance with all applicable state and federal securities laws and that any Securities sold by such Investor pursuant to an effective registration statement will be sold in compliance with the plan of distribution set forth therein.

7.3 Subsequent Equity Sales by the Company. The Company shall not, and shall use its commercially reasonable efforts to ensure that no Affiliate of the Company shall, sell, offer for sale or solicit offers to buy or otherwise negotiate in respect of any security (as defined in Section 2 of the 1933 Act) that will be integrated with the offer or sale of the Securities in a manner that would require the registration under the 1933 Act of the sale of the Securities to the Investors, or that will be integrated with the offer or sale of the Securities for purposes of the rules and regulations of any trading market such that it would require stockholder approval prior to the closing of such other transaction unless stockholder approval is obtained before the closing of such subsequent transaction. The Company shall not take any action or steps that would adversely affect reliance by the Company on Section 4(a)(2) for the exemption from registration for the transactions contemplated hereby or require registration of the Securities under the 1933 Act.

7.4 Fees. The Company shall be responsible for the payment of any placement agent's fees, financial advisory fees, or broker's commissions (other than for Persons engaged by any Investor) relating to or arising out of the transactions contemplated hereby.

7.5 Short Sales and Confidentiality After the Date Hereof. Each Investor covenants that it will not, nor will it cause any Affiliates acting on its behalf or pursuant to any understanding with it to, execute any Short Sales during the period from the date hereof until the earlier of (i) the Closing Date or (ii) such time as this Agreement is terminated in full. Each Investor covenants that until such time as the transactions contemplated by this Agreement are publicly disclosed by the Company, such Investor will maintain the confidentiality of all disclosures made to it in connection with this transaction (including the existence and terms of this transaction), other than to such Person's outside attorney, accountant, auditor or investment advisor only to the extent necessary to permit evaluation of the investment, and the performance of the necessary or required tax, accounting, financial, legal, or administrative tasks and services and other than as may be required by law, in accordance with the confidentiality agreement entered into by such Investor.

7.6 Filings. The Company shall make all filings with the SEC and its Trading Market as required by the transactions contemplated hereby.

7.7 Equity Incentive Plan Evergreen Provisions. The Company will not, without the prior written approval of the Lead Investors, adopt an equity (or equity-linked) incentive plan that includes, or amend an existing equity (or equity-linked) incentive plan to include, any provision (a) providing for one or more annual automatic increase(s) (i.e., without stockholder approval) in the aggregate number of shares authorized for issuance under such incentive plan that is in excess of 4% of (i) the outstanding Common Stock and (ii) all shares of Common Stock issuable or issued upon exercise of the warrants with an exercise price equal to or less than \$0.01 per share that are held by the Lead Investors or their transferees or assignees, as adjusted for stock splits, recapitalizations and other similar events) of the Company on the date of such increase (the "**Evergreen Cap**") or (b) permitting the Board to determine an automatic increase in excess of the Evergreen Cap.

7.8 Clear Market. For a period of 30 days after the Closing Date, the Company will not, and will not publicly disclose an intention to, (i) offer, pledge, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, hedge, lend, or otherwise transfer or dispose of, directly or indirectly, any shares of Common Stock or submit to, or file with, the SEC a registration statement under the 1933 Act, or (ii) enter into any swap, hedging or other agreement that transfers, in whole or in part, any of the economic consequences of ownership of the Common Stock or any such other securities, whether any such transaction described in clause (i) or (ii) above is to be settled by delivery of Common Stock or such other securities, in cash or otherwise, other than (A) any shares of Common Stock, restricted stock, restricted stock units and options to purchase Common Stock, shares of Common Stock underlying options granted and other securities, each pursuant

to any director or employee equity plans, stock ownership plan or dividend reinvestment plan of the Company in effect on the date hereof; (B) any shares of Common Stock of the Company issued upon the exercise of convertible securities of the Company outstanding on the date hereof; (C) any ATM Shares (as defined below) and (D) if applicable, the filing of a registration statement by the Company, pursuant to the Registration Rights Agreement.

7.9 Board Rights.

(a) BBA shall have the right to require the Company to nominate and recommend at each Election Meeting (as defined below) the election of (i) two individuals (individually, the “**First Designee**” and the “**Second Designee**”) to serve as a director on the Board so long as BBA, together with its Affiliates, is a Qualified Investor.

(b) Samsara shall have the right to require the Company to nominate and recommend at each Election Meeting the election of (i) one individual (the “**Third Designee**,” together with the First Designee and the Second Designee, the “**Investor Designees**” and each a “**Investor Designee**”) to serve as a director on the Board so long as Samsara, together with its Affiliates, is a Qualified Investor.

(c) Following the satisfaction of the conditions set forth in Section 6.1(n) and the exercise by the Qualified Investors of their rights under Section 7.9(a) and (b), the Board shall nominate, by a majority vote, one individual to serve as a director on the Board; provided that such director must qualify as an “independent” director as defined under Nasdaq Listing Rule 5605(a)(2) and 5605(c)(2);

(d) Following any exercise of their rights under Section 7.9(a) and (b) by the Qualified Investors, the Company shall include such Investor Designee in the slate of nominees recommended to the Company’s stockholders for election as directors of the Company at each annual or special meeting of the Company’s stockholders at which directors of the same class as such Investor Designee are to be elected and every adjournment or postponement thereof (an “**Election Meeting**”). The Company will recommend, support and solicit proxies for the election of such Investor Designee in the same manner as for all other Board members nominated for election at an Election Meeting. The Qualified Investors will provide to the Company, in writing, the information about such Investor Designee that is reasonably required by applicable law for inclusion in the Company’s proxy materials for Election Meetings promptly after the Company requests such information from the Qualified Investors, and will cause such Investor Designee to submit on a timely basis to the Company a completed and executed questionnaire in the form that the Company provides to its outside directors generally. If the Qualified Investors or Investor Designee fail to provide such information to the Company in accordance with this Section 7.9(d), the Company shall not be required to nominate and recommend the Investor Designee at the applicable Election Meeting.

(e) So long as the Lead Investors remain Qualified Investors, the Board will be comprised of: (i) the Chief Executive Officer of the Company, (ii) two directors designated by the Company, (iii) the Investor Designees (to the extent the Lead Investors have exercised their rights provided in Section 7.9(a) and (b)) and (iv) one director pursuant to Section 7.9(c) (to the extent the Lead Investors have exercised such right).

(f) For so long as the Lead Investors’ rights under this Section 7.9 remain in effect, the Board will not create any “executive committee” of the Board, or delegate to any existing committee of the Board responsibilities substantially similar to those of an executive committee.

(g) Notwithstanding the provisions of Section 7.9(a) and (b), the Investors shall not be entitled to require the Company to nominate and recommend for election any individual as an Investor Designee if a majority of the disinterested members of the Board (or the nominating committee thereof) reasonably and in good faith determine, after consultation with the Company’s outside legal counsel and

upon advice of such counsel, that such Person would not be qualified to serve as a director of the Company under any applicable law, rule or regulation, rule of the stock exchange on which the Common Stock is listed, the organizational documents of the Company, or any policy or guidelines previously approved by the Board, but only if a direct or indirect purpose of any such policy or guideline is not to obstruct the Investors' right to designate an individual as a nominee to the Board or its rights under this Agreement. Notwithstanding anything set forth herein to the contrary, a person's status as a director, officer, employee or affiliate of any Investor shall not cause such Person to be deemed not qualified to serve as a director of the Company, except as required by applicable law or regulation and except as may be necessary to maintain compliance with Nasdaq corporate governance rules for board and committee composition. In the event the Board (or the nominating committee thereof) does not accept an Investor Designee as a result of such Investor Designee failing to meet the requirements set forth in this Section 7.9(g), the applicable Investor shall have the right to recommend an additional Investor Designee in accordance with Section 7.9(a) or (b). The Company shall notify the applicable Investor of any objection to an Investor Designee pursuant to this Section 7.9(g) sufficiently in advance of the date on which the proxy materials related to any such designee are to be mailed by the Company in connection with such election of directors, and in no event less than the first Business Day after such determination by the Board, so as to enable the applicable Investor to propose a replacement Investor Designee in accordance with the terms of this Agreement.

(h) Notwithstanding the foregoing, the rights of the Investors provided in this Section 7.9 shall at all times be subject to, and in compliance with, Nasdaq Listing Rule 5640.

(i) The Company agrees to purchase and maintain director insurance for the benefit of each Investor Designee on terms equivalent to the director insurance it provides to its other directors.

(j) The rights of the Lead Investors provided in this Section 7.9 will terminate and be of no further force or effect as to a Lead Investor at such time as such Investor ceases to be a Qualified Investor.

7.10 Board Matters.

(a) Except as permitted under Section 6.1(n), the Company shall not expand the Board in excess of seven (7) directors without the consent of the Lead Investors, provided that the consent of a Lead Investor is not required if the Lead Investor is no longer a Qualified Investor.

(b) From the Closing Date through and including the three (3) year anniversary of the Closing Date, the Company shall not, without the vote of at least five (5) members of the Board:

(i) sell, assign, transfer, license, sublicense or otherwise dispose of any of the Company's material assets or material Intellectual Property or sell a royalty interest in the Intellectual Property;

(ii) effect or be a party to any sale, a merger, consolidation, share exchange or similar business combination transaction involving the Company; or

(iii) enter into any financing transactions that would result in the issuance of debt, equity or debt- or equity-like instruments by the Company.

(c) From the Closing Date through and including the three (3) year anniversary of the Closing Date, the Company shall not, without the vote of at least four (4) members of the Board, which shall not include the vote of the Chief Executive Officer, terminate the Chief Executive Officer of the Company or appoint an individual other than the individual serving as the Chief Executive Officer of the Company on the Closing Date.

7.11 Nasdaq Listing. The Company will use commercially reasonable efforts to continue the listing and trading of its Common Stock on Nasdaq and, in accordance therewith, will use commercially reasonable efforts to comply in all material respects with the Company's reporting, filing and other obligations under the bylaws or rules of such market or exchange, as applicable.

7.12 Participation Rights.

(a) Non-Underwritten Offerings.

(i) If, during the period from the Closing Date through and including the five (5) year anniversary of the Closing Date (the "**Participation Period**"), the Company proposes to offer and sell any New Securities in an offering that is conducted pursuant to an exemption from registration under the 1933 Act, or in an offering that is registered under the 1933 Act that is not conducted as a firm-commitment underwritten offering, then, subject to compliance with all applicable securities laws and regulations, each Investor shall have the right to purchase, on the same terms, including the price per security, and subject to substantially the same conditions, as are applicable to the other investors in such offering, that amount of New Securities being offered for sale in such offering equal to their Pro Rata Share of the total amount of New Securities offered for sale in such offering.

(ii) If the Company proposes to conduct an offering with respect to which the Investors would have rights to purchase New Securities pursuant to this Section 7.12(a), the Company shall give written notice (the "**Offer Notice**") to the Investors at least three (3) Business Days prior to the commencement of the offering of the New Securities, stating (i) its bona fide intention to offer such New Securities, (ii) the number, type and material terms of such New Securities to be offered, (iii) the price and terms, if any, upon which it proposes to offer such New Securities, (iv) each Investor's Pro Rata Share and (v) the estimated date and time at which the Company expects to enter into a definitive agreement for the sale of the New Securities (the "**Expected Sale Date**"). If the information contained in the Offer Notice constitutes material non-public information (as defined under the applicable securities laws), the Company shall deliver such Offer Notice only to the individuals identified on the Schedule of Investors and shall not communicate the information to anyone else acting on behalf of such Investors without the consent of such individuals. Each Investor shall maintain the confidentiality of such information until the information is publicly disclosed or is no longer material.

(iii) If an Investor desires to exercise its rights under this Section 7.12(a) to participate in such offering, then such Investor must provide a written notice to the Company by not later than 4:00 p.m. (New York City time) on the first Business Day prior to the Expected Sale Date set forth in the Offer Notice, stating the amount of such Investor's elected participation. If the Company receives no such notice from such Investor within the time period set forth herein, such Investor shall be deemed to have notified the Company that it does not elect to purchase any New Securities in connection with such offering and the Company shall be free to sell such securities in the offering.

(b) Underwritten Offerings. If, during the Participation Period, the Company proposes to offer and sell any New Securities in a firm commitment underwritten offering registered under the 1933 Act, then, subject to compliance with all applicable securities laws and regulations, the Company will use its commercially reasonable efforts to cause the managing underwriter(s) of such offering to contact the Investors about potentially participating in such offering and to provide to the Investors, on the same terms, including the price per security, and subject to substantially the same conditions, as are applicable to the public in such offering, the opportunity to purchase that amount of New Securities being offered for sale in such offering equal to their respective Pro Rata Share of the total amount of New Securities offered for sale in such offering (excluding securities issuable to the underwriter(s) of the offering upon exercise of an over-allotment or other option to purchase additional shares).

(c) At-the-Market Offerings. If, during the Participation Period, the Company proposes to offer and sell any New Securities in an “at-the-market offering” as defined in Rule 415(a)(4) that is registered under the 1933 Act (each, an “**ATM Offering**”), then, subject to compliance with all applicable securities laws and regulations and Section 7.12 hereof, the obligations and rights set forth in Section 7.12(a) will not apply to any shares of Common Stock to be offered and sold pursuant to such offering.

(d) General Terms Applicable to Participation Rights.

(i) Notwithstanding anything to the contrary in this Section 7.12 and unless otherwise agreed by the Lead Investors, in the event the Company determines to abandon a proposed offering regarding which the Company or any underwriter have provided notice to the Investors pursuant to this Section 7.12, the Company shall, or shall cause the managing underwriter(s), to confirm such abandonment to the Investors in substantially the same manner and on the same day as such abandonment is communicated to other potential investors. If, by the tenth (10th) Business Day following delivery of notice of the offering to the Investors pursuant to this Section 7.12, no public disclosure regarding a transaction with respect to the applicable offering has been made, such offering shall be deemed to have been abandoned and the Investors shall be deemed to not be in possession of any material non-public information (as defined under the applicable securities laws) with respect to the proposed offering, unless the Company advises the Investors that the offering has not been abandoned. The Company understands and confirms that the Investors may rely on this Section 7.12 when effecting transactions in securities of the Company.

(ii) Subject to compliance with all applicable securities laws and regulations, the Investors may apportion any New Securities to be purchased pursuant to their rights in this Section 7.12 in such proportion as they deem appropriate among themselves and any of their respective Affiliates.

(iii) The rights of the Investors under this Section 7.12 to purchase securities in an offering will be conditioned upon the completion of such offering.

(iv) The rights of each Investor described in this Section 7.12 will terminate and be of no further force or effect upon the earliest to occur of the following: (i) such time as the such Investor and/or its Affiliates ceases to beneficially own (in the aggregate) Securities that represents at least 90% of the shares of Common Stock (including all shares of Common Stock issuable or issued upon exercise of the Pre-Funded Warrants) originally purchased by such Investor pursuant to this Agreement (as adjusted for stock splits, recapitalizations and other similar events) and (ii) such time as such Investor is offered the opportunity to participate in an offering pursuant to its rights under this Section 7.12 and such Investor and/or its Affiliates does not purchase at least 50% of its aggregate Pro Rata Share of the total amount of New Securities offered for sale in such offering.

(v) The Company and the Investors hereby acknowledge that nothing in this Section 7.12 shall constitute an offer or the commitment by any Person to purchase any New Securities in any offering.

7.13 ATM Participation Rights.

(a) During the Participation Period, if the Company sells shares of Common Stock pursuant to an ATM Offering, then the Company shall provide written notice to the Investors (the “**ATM Notice**”) that shall include (i) the number of shares of Common Stock sold pursuant to the ATM Offering (the “**ATM Shares**”), (ii) the average sale price per share to the public of the ATM Shares (the “**Average Price**”) and (iii) the then-current number of outstanding shares of Common Stock. The ATM Notice shall be provided promptly following public disclosure by the Company of such ATM Shares in each Annual Report on Form 10-K and Quarterly Report on Form 10-Q, or upon disclosure by the Company in a prospectus supplement filed pursuant to Rule 424(b) of the 1933 Act.

(b) Within five (5) Business Days of receiving the ATM Notice, each Investor may elect to purchase up to its Pro Rata Share of the total amount of ATM Shares issued and sold in such ATM Offering. Any such purchase shall be made in a private placement exempt from the registration requirements of the 1933 Act at a price per share equal to the lower of (a) the closing price of the Common Stock (as reflected on Nasdaq.com) on the trading date immediately preceding the signing of the definitive documents for such private placement and (b) the average closing price of the Common Stock (as reflected on Nasdaq.com) for the five (5) trading days immediately preceding the signing of the definitive documents for such private placement.

(c) Any shares of Common Stock to be purchased by an Investor pursuant to this Section 7.13 may be in the form of pre-funded warrants to purchase shares of Common Stock at the sole discretion of such Investor.

7.14 Additional Financing.

(a) After the Closing, the Company agrees that it will use commercially reasonable efforts to (a) offer and sell New Securities and/or ATM Shares for cash consideration and/or (b) receive cash consideration in connection with a royalty or licensing agreement related to a preclinical or clinical drug candidate of the Company, other than TTP 399, that in respect of (i) and/or (ii) results in the receipt of gross proceeds to the Company of at least an aggregate of \$30.0 million (the “**Additional Financing**”) prior to the date that is the earlier of (i) eighteen (18) months from the Closing Date and (ii) sixty (60) days prior to the date, as projected by the operating budget as most recently approved by the Board, that the Company will not have sufficient cash to fund its operations as planned under such operating budget (the “**Additional Financing Deadline**”).

(b) If the Company has not satisfied such Additional Financing obligation by the Additional Financing Deadline, then the Investors will have the right to purchase a number of shares of Common Stock at an aggregate purchase price equal to (a) \$30.0 million minus (b) the amount of gross proceeds received by the Company in connection with any transaction or transactions that constitute an Additional Financing pursuant to Section 7.14(a) (the “**Call Right Financing**”). The Company will provide written notice to the Investors of the pro rata amount of shares of Common Stock that each Investor is eligible to purchase in connection with the Call Right Financing at least ten (10) Business Days prior to the Additional Financing Deadline, and each Investor shall notify the Company within five (5) trading days of receipt of such notice of the amount of shares of Common Stock that such Investor intends to purchase in the Call Right Financing. If any Investor subscribes for less than its Call Right Pro Rata Share of the Call Right Financing pursuant to their rights under this Section 7.14, then any other Investor may subscribe to that portion of such pro rata amount that was not subscribed by the Investor that purchases less than its Call Right Pro Rata Share.

(c) The Company and the Investor(s) shall execute definitive documentation for such purchase in a private placement exempt from the registration requirements of the 1933 Act within one (1) Business Day of such notification by the Investors. The price per share of any shares of Common Stock purchased in such Call Right Financing shall be the lower of (a) the closing price of the Common Stock (as reflected on Nasdaq.com) on the trading date immediately preceding the signing of the definitive documents for such Call Right Financing and (b) the average closing price of the Common Stock (as reflected on Nasdaq.com) for the five (5) trading days immediately preceding the signing of the definitive documents for such Call Right Financing.

(d) Any shares of Common Stock to be purchased by an Investor pursuant to this Section 7.14 may be in the form of pre-funded warrants to purchase shares of Common Stock at the sole discretion of such Investor.

8. Survival and Indemnification.

8.1 **Survival.** The representations, warranties, covenants and agreements contained in this Agreement shall survive the Closing of the transactions contemplated by this Agreement for the applicable statute of limitations.

8.2 **Indemnification.** The Company agrees to indemnify and hold harmless each Investor and its Affiliates, and their respective directors, officers, trustees, members, managers, employees, investment advisers and agents, from and against any and all losses, claims, damages, liabilities and expenses (including without limitation reasonable and documented attorney fees and disbursements and other documented out-of-pocket expenses reasonably incurred in connection with investigating, preparing or defending any action, claim or proceeding, pending or threatened and the costs of enforcement thereof) to which such Person may become subject as a result of any breach of representation, warranty, covenant or agreement made by or to be performed on the part of the Company under the Transaction Documents, and will reimburse any such Person for all such amounts as they are incurred by such Person solely to the extent such amounts have been finally judicially determined not to have resulted from such Person's fraud or willful misconduct.

8.3 **Conduct of Indemnification Proceedings.** Any person entitled to indemnification hereunder shall (i) give prompt written notice to the indemnifying party of any claim with respect to which it seeks indemnification and (ii) permit such indemnifying party to assume the defense of such claim with counsel reasonably satisfactory to the indemnified party; *provided* that any person entitled to indemnification hereunder shall have the right to employ separate counsel and to participate in the defense of such claim, but the fees and expenses of such counsel shall be at the expense of such person unless (a) the indemnifying party has agreed in writing to pay such fees or expenses, (b) the indemnifying party shall have failed to assume the defense of such claim and employ counsel reasonably satisfactory to such person or (c) in the reasonable judgment of any such person, based upon written advice of its counsel, a conflict of interest exists between such person and the indemnifying party with respect to such claims (in which case, if the person notifies the indemnifying party in writing that such person elects to employ separate counsel at the expense of the indemnifying party, the indemnifying party shall not have the right to assume the defense of such claim on behalf of such person); and *provided, further*, that the failure of any indemnified party to give written notice as provided herein shall not relieve the indemnifying party of its obligations hereunder, except to the extent that such failure to give notice shall materially adversely affect the indemnifying party in the defense of any such claim or litigation. It is understood that the indemnifying party shall not, in connection with any proceeding in the same jurisdiction, be liable for fees or expenses of more than one separate firm of attorneys at any time for all such indemnified parties. No indemnifying party will, except with the consent of the indemnified party, which consent shall not be unreasonably withheld, conditioned or delayed, consent to entry of any judgment or enter into any settlement that does not include as an unconditional term thereof the giving by the claimant or plaintiff to such indemnified party of a release from all liability in respect of such claim or litigation. No indemnified party will, except with the consent of the indemnifying party, which consent shall not be unreasonably withheld, conditioned or delayed, consent to entry of any judgment or enter into any settlement.

9. Miscellaneous.

9.1 Successors and Assigns. This Agreement may not be assigned by a party hereto without the prior written consent of the Company or each of the Investors, as applicable, provided, however, that an Investor may assign its rights and delegate its duties hereunder in whole or in part to an Affiliate or to a third party acquiring some or all of its securities in a transaction complying with applicable securities laws without the prior written consent of the Company or the other Investors, provided such assignee agrees in writing to be bound by the provisions hereof that apply to Investors. The provisions of this Agreement shall inure to the benefit of and be binding upon the respective permitted successors and assigns of the parties. Without limiting the generality of the foregoing, in the event that the Company is a party to a merger, consolidation, share exchange or similar business combination transaction in which the Common Stock is converted into the equity securities of another Person, from and after the effective time of such transaction, such Person shall, by virtue of such transaction, be deemed to have assumed the obligations of the Company hereunder, the term "Company" shall be deemed to refer to such Person and the term "Securities" shall be deemed to refer to the securities received by the Investors in connection with such transaction. Nothing in this Agreement, express or implied, is intended to confer upon any party other than the parties hereto or their respective permitted successors and assigns any rights, remedies, obligations, or liabilities under or by reason of this Agreement, except as expressly provided in this Agreement.

9.2 Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Counterparts may be delivered via facsimile, electronic mail (including pdf or any electronic signatures complying with the U.S. federal ESIGN Act of 2000, e.g., www.docusign.com) or other transmission method and any counterpart so delivered shall be deemed to have been duly and validly delivered and be valid and effective for all purposes.

9.3 Titles and Subtitles. The titles and subtitles used in this Agreement are used for convenience only and are not to be considered in construing or interpreting this Agreement.

9.4 Notices. Unless otherwise provided, any notice required or permitted under this Agreement shall be given in writing and shall be deemed effectively given as hereinafter described (i) if given by personal delivery, then such notice shall be deemed given upon such delivery, (ii) if given by e-mail, then such notice shall be deemed given on the date of transmission (provided that notice shall not be considered given or effective if the sender receives an automatic system-generated response that such e-mail was undeliverable), (iii) if given by mail, then such notice shall be deemed given upon the earlier of (A) receipt of such notice by the recipient or (B) three days after such notice is deposited in first class mail, postage prepaid, and (iv) if given by an internationally recognized overnight air courier, then such notice shall be deemed given one (1) Business Day after delivery to such carrier. All notices shall be addressed to the party to be notified at the address as follows, or at such other address as such party may designate by ten (10) days' advance written notice to the other party:

If to the Company:

vTv Therapeutics Inc.
3980 Premier Drive, Suite 310
High Point, NC 27265
Telephone: (917) 635-0706
Attention: Steven Tuch
Email: stuch@vtvtherapeutics.com

With a copy (which shall not constitute notice) to:

Dechert LLP
3 Bryant Park
1095 Avenue of the Americas
New York, NY 10036-6797
Telephone: (202) 698-3616
Attention: David S. Rosenthal
Email: david.rosenthal@dechert.com

If to the Investors:

Only to the addresses set forth on the signature pages hereto.

9.5 Expenses. The parties hereto shall pay their own costs and expenses in connection herewith regardless of whether the transactions contemplated hereby are consummated, except that the Company has agreed to reimburse the Investors in an aggregate amount of up to \$150,000 for the Investors' reasonable and documented legal fees at the time of Closing.

9.6 Amendments and Waivers. Prior to Closing, no amendment or waiver of any provision of this Agreement will be effective with respect to any party unless made in writing and signed by a duly authorized representative of such party. Following the Closing, any term of this Agreement may be amended and the observance of any term of this Agreement may be waived (either generally or in a particular instance and either retroactively or prospectively), only with the written consent of the Company and the Investors holding a majority of the Securities issued pursuant to this Agreement. Notwithstanding the foregoing, this Agreement may not be amended and the observance of any term of this Agreement may not be waived with respect to any Investor without the written consent of such Investor unless such amendment or waiver applies to all Investors in the same fashion. Any amendment or waiver effected in accordance with this paragraph shall be binding upon (i) prior to Closing, each Investor that signed such amendment or waiver and (ii) following the Closing, each holder of any Securities purchased under this Agreement at the time outstanding, and in each case, each future holder of all such Securities and the Company.

9.7 Publicity. Except as set forth below, no public release or announcement concerning the transactions contemplated hereby shall be issued by the Investors without the prior consent of the Company, except as such release or announcement may be required by law or the applicable rules or regulations of any securities exchange or securities market, in which case the Investors shall allow the Company reasonable time to comment on such release or announcement in advance of such issuance. Notwithstanding the foregoing, each Investor may identify the Company and the value of such Investor's security holdings in the Company in accordance with applicable investment reporting and disclosure regulations or internal policies without prior notice to or consent from the Company (including, for the avoidance of doubt, filings pursuant to Sections 13 and 16 of the 1934 Act). The Company shall not include the name of any Investor or any Affiliate or investment adviser of such Investor in any press release or public announcement (which, for the avoidance of doubt, shall not include any SEC Filing to the extent such disclosure is required by SEC rules and regulations) without the prior written consent of such Investor. No later than the Business Day immediately following the date this Agreement is executed, the Company shall issue a press release or file a Form 8-K with the SEC disclosing all material terms of the transactions contemplated by this Agreement, the other Transaction Documents and any material non-public information that the Company may have provided any Investor at any time prior to the issuance of such press release or Form 8-K (the "**Public Disclosure**"). In addition, the Company will make such other filings and notices in the manner and time required by the SEC or Nasdaq.

9.8 Severability. Any provision of this Agreement that is prohibited or unenforceable in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof but shall be interpreted as if it were written so as to be enforceable to the maximum extent permitted by applicable law, and any such prohibition or unenforceability in any jurisdiction shall not invalidate or render unenforceable such provision in any other jurisdiction. To the extent permitted by applicable law, the parties hereby waive any provision of law which renders any provision hereof prohibited or unenforceable in any respect.

9.9 Entire Agreement. This Agreement, including the signature pages, Exhibits, the other Transaction Documents and any confidentiality agreement between the Company and each Investor constitute the entire agreement among the parties hereof with respect to the subject matter hereof and thereof and supersede all prior agreements and understandings, both oral and written, between the parties with respect to the subject matter hereof and thereof.

9.10 Further Assurances. The parties shall execute and deliver all such further instruments and documents and take all such other actions as may reasonably be required to carry out the transactions contemplated hereby and to evidence the fulfillment of the agreements herein contained.

9.11 Third-Party Beneficiaries. This Agreement is intended for the benefit of the parties hereto, the parties named in Section 8.2, and their respective successors and permitted assigns and is not for the benefit of, nor may any provision hereof be enforced by, any other Person, except as otherwise set forth in this Section 9.11 or Section 8.2.

9.12 Governing Law. This Agreement shall be governed by, and construed in accordance with, the internal laws of the State of New York without regard to the choice of law principles thereof. Each of the parties hereto irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City of New York, Borough of Manhattan for the purpose of any suit, action, proceeding or judgment relating to or arising out of this Agreement and the transactions contemplated hereby. Service of process in connection with any such suit, action or proceeding may be served on each party hereto anywhere in the world by the same methods as are specified for the giving of notices under this Agreement. Each of the parties hereto irrevocably consents to the jurisdiction of any such court in any such suit, action or proceeding and to the laying of venue in such court. Each party hereto irrevocably waives any objection to the laying of venue of any such suit, action or proceeding brought in such courts and irrevocably waives any claim that any such suit, action or proceeding brought in any such court has been brought in an inconvenient forum. **EACH OF THE PARTIES HERETO WAIVES ANY RIGHT TO REQUEST A TRIAL BY JURY IN ANY LITIGATION WITH RESPECT TO THIS AGREEMENT AND THE OTHER TRANSACTION DOCUMENTS OR ARISING OUT OF THE TRANSACTIONS CONTEMPLATED HEREBY AND THEREBY AND REPRESENTS THAT COUNSEL HAS BEEN CONSULTED SPECIFICALLY AS TO THIS WAIVER.**

9.13 Independent Nature of Investors' Obligations and Rights. The obligations of each Investor under any Transaction Document are several and not joint with the obligations of any other Investor, and no Investor shall be responsible in any way for the performance of the obligations of any other Investor under any Transaction Document. The decision of each Investor to purchase Closing Securities pursuant to the Transaction Documents has been made by such Investor independently of any other Investor. Nothing contained herein or in any Transaction Document, and no action taken by any Investor pursuant thereto, shall be deemed to constitute the Investors as a partnership, an association, a joint venture or any other kind of entity, or create a presumption that the Investors are in any way acting in concert or as a group with respect to such obligations or the transactions contemplated by the Transaction Documents. Subject to the provisions hereof, each Investor acknowledges that no other Investor has acted as agent for such Investor in connection with making its investment hereunder and that no Investor will be acting as agent of such Investor in connection with monitoring its investment in the Securities or enforcing its rights under the Transaction Documents. Each Investor shall be entitled to independently protect and enforce its rights, including, without limitation, the rights arising out of this Agreement or out of the other Transaction Documents, and it shall not be necessary for any other Investor to be joined as an additional party in any proceeding for such purpose. The Company acknowledges that each of the Investors has been provided with the same Transaction Documents for the purpose of closing a transaction with multiple Investors and not because it was required or requested to do so by any Investor. It is expressly understood and agreed that each provision contained in this Agreement is between the Company and an Investor, solely, and not between the Company and the Investors collectively and not between and among the Investors.

[remainder of page intentionally left blank]

IN WITNESS WHEREOF, the parties have executed this Agreement or caused their duly authorized officers to execute this Agreement as of the date first above written.

COMPANY:

VTV THERAPEUTICS INC.

By: /s/ Paul Sekhri

Name: Paul Sekhri

Title: President and Chief Executive Officer

[Signature Page to Securities Purchase Agreement]

REGISTRATION RIGHTS AGREEMENT

This Registration Rights Agreement (this “Agreement”) is made as of February 27, 2024 by and between vTv Therapeutics Inc., a Delaware corporation (the “Company”), and the persons listed on the attached Schedule A who are signatories to this Agreement (collectively, the “Investors”). Unless otherwise defined herein, capitalized terms used in this Agreement have the respective meanings ascribed to them in Section 1.

RECITALS

WHEREAS, the Company and the Investors wish to provide for certain arrangements with respect to the registration of the Registrable Securities (as defined below) by the Company under the Securities Act (as defined below).

NOW, THEREFORE, in consideration of the mutual promises and covenants set forth herein, and other consideration, the receipt and adequacy of which are hereby acknowledged, the parties hereto agree as follows:

**Section 1.
Definitions**

1.1. Certain Definitions. In addition to the terms defined elsewhere in this Agreement, as used in this Agreement, the following terms have the respective meanings set forth below:

- (a) “Block Trade” shall mean an offering of Registrable Securities which requires both the Investors and the Company to enter into a sale agreement and is limited in scope of selling efforts as compared to an Underwritten Offering.
- (b) “Board” shall mean the Board of Directors of the Company.
- (c) “Commission” shall mean the Securities and Exchange Commission or any other federal agency at the time administering the Securities Act.
- (d) “Common Stock” shall mean the Class A common stock of the Company, par value \$0.01 per share.
- (e) “Exchange Act” shall mean the Securities Exchange Act of 1934, as amended, or any similar successor federal statute and the rules and regulations thereunder, all as the same shall be in effect from time to time.
- (f) “Governmental Entity” shall mean any federal, state, local or foreign government, or any department, agency, or instrumentality of any government; any public international organization, any transnational governmental organization; any court of competent jurisdiction, arbitral, administrative agency, commission, or other governmental regulatory authority or quasi-governmental authority, any political party; and any national securities exchange or national quotation system.

(g) “Other Securities” shall mean securities of the Company, other than Registrable Securities (as defined below).

(h) “Person” shall mean any individual, partnership, corporation, company, association, trust, joint venture, limited liability company, unincorporated organization, entity or division, or any government, governmental department or agency or political subdivision thereof.

(i) “Pre-Funded Warrants” shall mean the pre-funded warrants to purchase Common Stock delivered to certain Investors pursuant to the Purchase Agreement.

(j) “Purchase Agreement” shall mean that certain Securities Purchase Agreement, by and among the Company and the Investors, dated as of February 27, 2024.

(k) “Registrable Securities” shall mean (i) the Shares, (ii) all Warrant Shares then issued or issuable upon the exercise or conversion of (a) Pre-Funded Warrants (assuming the Pre-Funded Warrants are exercised in full without regard to any exercise limitations in the Transaction Documents) and (b) any other securities (whether equity, debt or otherwise) of the Company now owned or hereafter acquired by any of the Investors. Registrable Securities shall cease to be Registrable Securities upon the earliest to occur of the following events: (i) such Registrable Securities have been sold pursuant to an effective Registration Statement; (ii) such Registrable Securities have been sold by the Investors pursuant to Rule 144 (or other similar rule), (iii) at any time after any of the Investors become an affiliate of the Company, such Registrable Securities may be resold by the Investor holding such Registrable Securities without limitations as to volume or manner of sale pursuant to Rule 144; or (iv) ten (10) years after the date of this Agreement. For purposes of this definition, in order to determine whether an Investor is an “affiliate” (as such term is defined and used in Rule 144, and including for determining whether volume or manner of sale limitations of Rule 144 apply) the parties will assume that all convertible securities held by an Investor (whether equity, debt or otherwise) that are convertible subject to any exercise limitation applicable thereto have been converted into Common Stock.

(l) The terms “register,” “registered” and “registration” shall refer to a registration effected by preparing and filing a Registration Statement in compliance with the Securities Act, and such Registration Statement becoming effective under the Securities Act.

(m) “Registration Expenses” shall mean all expenses incurred by the Company in effecting any registration pursuant to this Agreement, including, without limitation, all registration, qualification, and filing fees, printing expenses, escrow fees, fees and disbursements of counsel for the Company, up to \$50,000 of reasonable legal expenses of one special counsel for the Investors (if different from the Company’s counsel and if such counsel is reasonably approved by the Company) in connection with the preparation and filing of the Resale Registration Shelf (as defined below), and up to \$50,000 of reasonable legal expenses of one special counsel for the Investors (if different from the Company’s counsel and if such counsel is reasonably approved by the Company) per Underwritten Offering or Block Trade (provided that the Company will not pay for more than one special counsel for the Investors in connection with any transaction), blue sky fees and expenses, and expenses of any regular or special audits incident to or required by any such registration, but shall not include Selling Expenses.

(n) “Registration Statement” means any registration statement of the Company filed with, or to be filed with, the Commission under the Securities Act, including the related prospectus, amendments and supplements to such registration statement, including pre- and post-effective amendments, and all exhibits and all material incorporated by reference in such registration statement as may be necessary to comply with applicable securities laws other than a registration statement (and related prospectus) filed on Form S-4 or Form S-8 or any successor forms thereto.

(o) “Rule 144” shall mean Rule 144 as promulgated by the Commission under the Securities Act, as such rule may be amended from time to time, or any similar successor rule that may be promulgated by the Commission.

(p) “Securities Act” shall mean the Securities Act of 1933, as amended, or any similar successor federal statute and the rules and regulations thereunder, all as the same shall be in effect from time to time.

(q) “Selling Expenses” shall mean all underwriting discounts and selling commissions applicable to the sale of Registrable Securities, the fees and expenses of any legal counsel (except as provided in the definition of “Registration Expenses”) and any other advisors any of the Investors engage and all similar fees and commissions relating to the Investors’ disposition of the Registrable Securities.

(r) “Shares” shall mean the shares of Common Stock issued pursuant to the Purchase Agreement.

(s) “Transaction Documents” shall mean this Agreement, the Purchase Agreement, the Pre-Funded Warrants, all exhibits and schedules thereto and hereto and any other documents or agreements executed in connection with the transactions contemplated under the Purchase Agreement.

(t) “Underwritten Offering” shall mean a public offering of Registrable Securities pursuant to an effective registration statement under the Securities Act (other than pursuant to a registration statement on Form S-4 or S-8 or any similar or successor form) which requires the Investors and the Company to enter into an underwriting agreement.

(u) “Warrant Shares” shall mean the shares of Common Stock issuable upon exercise of the Pre-Funded Warrants.

Section 2. Resale Registration Rights

2.1. Resale Registration Rights.

(a) If any Investor determines, based on the totality of the circumstances, that it may be deemed to be an “affiliate” of the Company within the meaning of Rule 144 and the Securities Act, following demand by any such Investor, the Company shall file with the Commission a Registration Statement on Form S-3 (except if the Company is not then eligible to register for resale the Registrable Securities on Form S-3, in which case such registration shall be on another appropriate form in accordance with the Securities Act) covering the resale of the Registrable

Securities by the Investors (the “Resale Registration Shelf”), and the Company shall file such Resale Registration Shelf as promptly as reasonably practicable following such demand, and in any event within sixty (60) days of such demand. Such Resale Registration Shelf shall include a “final” prospectus, including the information required by Item 507 of Regulation S-K of the Securities Act, as provided by the Investors in accordance with Section 2.7. Notwithstanding the foregoing, before filing the Resale Registration Shelf, the Company shall furnish to the Investors a copy of the Resale Registration Shelf and afford the Investors an opportunity to review and comment on the Resale Registration Shelf. The Company’s obligation pursuant to this Section 2.1(a) is conditioned upon the Investors providing the information contemplated in Section 2.7. If the staff of the Commission (the “Staff”) or the Commission seeks to characterize any offering pursuant to the Resale Registration Shelf as constituting an offering of securities that does not permit such Resale Registration Shelf to become effective and be used for resales by the Investors under Rule 415, or if after the filing of the Resale Registration Shelf with the Commission pursuant to this Section 2.1(a), the Company is otherwise required by the Staff or the Commission to reduce the number of Registrable Securities included in the Resale Registration Shelf, then the Company shall reduce the number of Registrable Securities to be included in the Resale Registration Shelf until the Staff and the SEC shall so permit the Resale Registration Shelf to become effective and be used as aforesaid. In the event of any reduction in Registrable Securities pursuant to the immediately preceding sentence, the Company shall file, as soon as permitted by the Staff or the Commission, one or more additional Registration Statements on Form S-3 (except if the Company is not then eligible to register for resale the Registrable Securities on Form S-3, in which case such registration shall be on another appropriate form in accordance with the Securities Act) covering the resale of Registrable Securities by the Investors that have not previously been registered under the Securities Act for resale by the Investors pursuant to Rule 415 until such time as all Registrable Securities have been included in such additional Registration Statement (or in one of such additional Registration Statements) that has or have been declared effective by the Commission and the prospectus contained therein is available for use by the Investors. The provisions of this Agreement that are applicable to the Resale Registration Shelf shall also be applicable to such additional Registration Statement or each of such additional Registration Statements to the same extent as if such additional Registration Statement were the Resale Registration Shelf. Notwithstanding any provision in this Agreement to the contrary, the Company’s obligations to register Registrable Securities (and any related conditions to the Investor’s obligations) pursuant to this Agreement shall be qualified as necessary to comport with any requirement of the Commission or the Staff as addressed above in this Section 2.1(a).

(b) The Company shall use its reasonable best efforts to cause the Resale Registration Shelf and related prospectuses to become effective as promptly as practicable after filing. The Company shall use its reasonable best efforts to cause such Registration Statement to remain effective under the Securities Act until the earlier of the date (i) all Registrable Securities covered by the Resale Registration Shelf have been sold or may be sold freely without limitations or restrictions as to volume or manner of sale pursuant to Rule 144 or (ii) all Registrable Securities covered by the Resale Registration Shelf otherwise cease to be Registrable Securities pursuant to the definition of Registrable Securities. The Company shall promptly, and within two (2) business days after the Company confirms effectiveness of the Resale Registration Shelf with the Commission, notify the Investors of the effectiveness of the Resale Registration Shelf.

- (c) Notwithstanding anything contained herein to the contrary, the Company shall not be obligated to effect, or to take any action to effect, a registration pursuant to Section 2.1(a):
- (i) if the Company has and maintains an effective Registration Statement on Form S-3ASR that provides for the resale of an unlimited number of securities by selling stockholders (a “Company Registration Shelf”);
- (ii) during the period forty-five (45) days prior to the Company’s good faith estimate of the date of filing of a Company Registration Shelf; or
- (iii) if the Company has caused a Registration Statement to become effective pursuant to this Section 2.1 during the prior twelve (12) month period.
- (d) If the Company has a Company Registration Shelf in place at any time in which the Investors make a demand pursuant to Section 2.1(a), the Company shall file with the Commission, as promptly as practicable, and in any event within fifteen (15) business days after such demand, a “final” prospectus supplement to its Company Registration Shelf covering the resale of the Registrable Securities by the Investors (the “Prospectus”); provided, however, that the Company shall not be obligated to file more than one Prospectus pursuant to this Section 2.1(d) in any six month period to add additional Registrable Securities to the Company Registration Shelf that were acquired by the Investors other than directly from the Company or in an underwritten public offering by the Company. The Prospectus shall include the information required under Item 507 of Regulation S-K of the Securities Act, which information shall be provided by the Investors in accordance with Section 2.7. Notwithstanding the foregoing, before filing the Prospectus, the Company shall furnish to the Investors a copy of the Prospectus and afford the Investors an opportunity to review and comment on the Prospectus.
- (e) Deferral and Suspension. At any time after being obligated pursuant to this Agreement to file a Resale Registration Shelf or Prospectus, or after any Resale Registration Shelf has become effective or a Prospectus is filed with the Commission, the Company may defer the filing of or suspend the use of any such Resale Registration Shelf or Prospectus, upon giving written notice of such action to the Investors with a certificate signed by the Principal Executive Officer or Principal Financial Officer of the Company stating that in the good faith judgment of the Board, the filing or use of any such Resale Registration Shelf or Prospectus covering the Registrable Securities would be seriously detrimental to the Company or its stockholders at such time and that the Board concludes, as a result, that it is in the best interests of the Company and its stockholders to defer the filing or suspend the use of such Resale Registration Shelf or Prospectus at such time. The Company shall have the right to defer the filing of or suspend the use of such Resale Registration Shelf or Prospectus for a period of not more than one hundred twenty (120) days from the date the Company notifies the Investors of such deferral or suspension; provided that the Company shall not exercise the right contained in this Section 2.1(e) more than once in any twelve-month period. In the case of the suspension of use of any effective Resale Registration Shelf or Prospectus, the Investors, immediately upon receipt of notice thereof from the Company, shall discontinue any offers or sales of Registrable Securities pursuant to such Resale Registration Shelf or Prospectus until advised in writing by the Company that the use of such Resale Registration Shelf or Prospectus may be resumed. In the case of a deferred Prospectus or Resale Registration Shelf filing, the Company shall provide

prompt written notice to the Investors of (i) the Company's decision to file or seek effectiveness of the Prospectus or Resale Registration Shelf, as the case may be, following such deferral and (ii) in the case of a Resale Registration Shelf, the effectiveness of such Resale Registration Shelf. In the case of either a suspension of use of, or deferred filing of, any Resale Registration Shelf or Prospectus, the Company shall not, during the pendency of such suspension or deferral, be required to take any action hereunder (including any action pursuant to Section 2.2 hereof) with respect to the registration or sale of any Registrable Securities pursuant to any such Resale Registration Shelf, Company Registration Shelf or Prospectus.

(f) Other Securities. Subject to Section 2.2(e) below, any Resale Registration Shelf or Prospectus may include Other Securities, and may include securities of the Company being sold for the account of the Company; provided such Other Securities are excluded first from such Registration Statement in order to comply with any applicable laws or request from any Governmental Entity, Nasdaq or any applicable listing agency. For the avoidance of doubt, no Other Securities may be included in an Underwritten Offering pursuant to Section 2.2 without the consent of the Investors.

2.2. Sales and Underwritten Offerings of the Registrable Securities.

(a) Notwithstanding any provision contained herein to the contrary, the Investors, collectively, shall and subject to the limitations set forth in this Section 2.2, be permitted (i) one Underwritten Offering per calendar year, but no more than two Underwritten Offerings in total, and (ii) no more than one Underwritten Offerings and/or Block Trades in any twelve month period, to effect the sale or distribution of Registrable Securities.

(b) If the Investors intend to effect an Underwritten Offering or Block Trade pursuant to a Resale Registration Shelf or Company Registration Shelf to sell or otherwise distribute Registrable Securities, they shall so advise the Company and provide as much notice to the Company as reasonably practicable (and, in either case, not less than fifteen (15) business days prior to the Investors' request that the Company file a prospectus supplement to a Resale Registration Shelf or Company Registration Shelf).

(c) In connection with any offering initiated by the Investors pursuant to this Section 2.2 involving an underwriting of shares of Registrable Securities, the Investors shall be entitled to select the underwriter or underwriters for such offering, subject to the consent of the Company, such consent not to be unreasonably withheld, conditioned or delayed.

(d) In connection with any offering initiated by the Investors pursuant to this Section 2.2 involving an Underwritten Offering of Registrable Securities, the Company shall not be required to include any of the Registrable Securities in such underwriting unless the Investors (i) enter into an underwriting agreement in customary form with the underwriter or underwriters, (ii) accept customary terms in such underwriting agreement with regard to representations and warranties relating to ownership of the Registrable Securities and authority and power to enter into such underwriting agreement and (iii) complete and execute all questionnaires, powers of attorney, custody agreements, indemnities and other documents as may be requested by such underwriter or underwriters. Further, the Company shall not be required to include any of the Registrable Securities in such underwriting if (Y) the underwriting agreement proposed by the

underwriter or underwriters contains representations, warranties or conditions that are not reasonable in light of the Company's then-current business or (Z) the underwriter, underwriters or the Investors require the Company to participate in any marketing, road show or comparable activity that may be required to complete the orderly sale of shares by the underwriter or underwriters.

(e) If the total amount of securities to be sold in any offering initiated by the Investors pursuant to this Section 2.2 involving an underwriting of shares of Registrable Securities exceeds the amount that the underwriters determine in their sole discretion is compatible with the success of the offering, then the Company shall be required to include in the offering only that number of such securities, including Registrable Securities (subject in each case to the cutback provisions set forth in this Section 2.2(e)), that the underwriters and the Company determine in their sole discretion shall not jeopardize the success of the offering. If the Underwritten Offering has been requested pursuant to Section 2.2(a) hereof, the number of shares that are entitled to be included in the registration and underwriting shall be allocated in the following manner: (a) first, shares of Company equity securities that the Company desires to include in such registration shall be excluded and (b) second, Registrable Securities requested to be included in such registration by the Investors shall be excluded. For the avoidance of doubt, no other person besides the Investors shall be entitled to participate in any Block Trade. To facilitate the allocation of shares in accordance with the above provisions, the Company or the underwriters may round down the number of shares allocated to any of the Investors to the nearest 100 shares.

2.3. Fees and Expenses. All Registration Expenses incurred in connection with registrations pursuant to this Agreement shall be borne by the Company. All Selling Expenses relating to securities registered on behalf of the Investors shall be borne by the Investors.

2.4. Registration Procedures. In the case of each registration of Registrable Securities effected by the Company pursuant to Section 2.1 hereof, the Company shall keep the Investors advised as to the initiation of each such registration and as to the status thereof. The Company shall use its reasonable best efforts, within the limits set forth in this Section 2.4, to:

(a) prepare and file with the Commission such amendments and supplements to such Registration Statement and the prospectuses used in connection with such Registration Statement as may be necessary to keep such Registration Statement effective and current and comply with the provisions of the Securities Act with respect to the disposition of all securities covered by such Registration Statement;

(b) furnish to the Investors such numbers of copies of a prospectus, including preliminary prospectuses, in conformity with the requirements of the Securities Act, and such other documents as the Investors may reasonably request in order to facilitate the disposition of Registrable Securities;

(c) use its reasonable best efforts to register and qualify the Registrable Securities covered by such Registration Statement under such other securities or blue sky laws of such jurisdictions in the United States as shall be reasonably requested by the Investors, provided that the Company shall not be required in connection therewith or as a condition thereto to qualify to do business or to file a general consent to service of process in any such states or jurisdictions;

(d) in the event of an Underwritten Offering or Block Trade, and subject to Section 2.2(d), enter into and perform its obligations under an underwriting agreement or Block Trade sale agreement, in usual and customary form (including any “lock-ups” on behalf of the Company and its directors and officers), with the managing underwriter of such offering and take such other usual and customary action as the Investors may reasonably request in order to facilitate the disposition of such Registrable Securities;

(e) notify the Investors at any time when a prospectus relating to a Registration Statement covering any Registrable Securities is required to be delivered under the Securities Act of the happening of any event as a result of which the prospectus included in such Registration Statement, as then in effect, includes an untrue statement of a material fact or omits to state a material fact required to be stated therein or necessary to make the statements therein not misleading in the light of the circumstances then existing. The Company shall use its reasonable best efforts to amend or supplement such prospectus in order to cause such prospectus not to include any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading in the light of the circumstances then existing;

(f) provide a transfer agent and registrar for all Registrable Securities registered pursuant to such Registration Statement and, if required, a CUSIP number for all such Registrable Securities, in each case not later than the effective date of such registration;

(g) if requested by an Investor, use reasonable best efforts to cause the Company’s transfer agent to remove any restrictive legend from any Registrable Securities covered by the Registration Statement, within two business days following such request;

(h) cause to be furnished, at the request of the Investors, on the date that Registrable Securities are delivered to underwriters for sale in connection with an Underwritten Offering or Block Trade, (i) an opinion, dated such date, of the counsel representing the Company for the purposes of such registration, in form and substance as is customarily given to underwriters in an underwritten public offering, addressed to the underwriters, and (ii) a letter or letters from the independent certified public accountants of the Company, in form and substance as is customarily given by independent certified public accountants to underwriters in an underwritten public offering, addressed to the underwriters; and

(i) cause all such Registrable Securities included in a Registration Statement pursuant to this Agreement to be listed on each securities exchange or other securities trading markets on which Common Stock is then listed.

2.5. The Investors Obligations.

(a) Discontinuance of Distribution. The Investors agree that, upon receipt of any notice from the Company of the occurrence of any event of the kind described in Section 2.4(e) hereof, the Investors shall immediately discontinue disposition of Registrable Securities pursuant to any Registration Statement covering such Registrable Securities until the Investors’ receipt of the copies of the supplemented or amended prospectus contemplated by Section 2.4(e) hereof or receipt of notice that no supplement or amendment is required and that the Investors’ disposition of the Registrable Securities may be resumed. The Company may provide appropriate stop orders to enforce the provisions of this Section 2.5(a).

(b) Compliance with Prospectus Delivery Requirements. The Investors covenant and agree that they shall comply with the prospectus delivery requirements of the Securities Act as applicable to them or an exemption therefrom in connection with sales of Registrable Securities pursuant to any Registration Statement filed by the Company pursuant to this Agreement.

(c) Notification of Sale of Registrable Securities. The Investors covenant and agree that they shall notify the Company following the sale of Registrable Securities to a third party as promptly as reasonably practicable, and in any event within thirty (30) days, following the sale of such Registrable Securities.

2.6. Indemnification.

(a) To the extent permitted by law, the Company shall indemnify the Investors, and, as applicable, their officers, directors, and constituent partners, legal counsel for each Investor and each Person controlling the Investors, with respect to which registration, related qualification, or related compliance of Registrable Securities has been effected pursuant to this Agreement, and each underwriter, if any, and each Person who controls any underwriter within the meaning of the Securities Act against all claims, losses, damages, or liabilities (or actions in respect thereof) to the extent such claims, losses, damages, or liabilities arise out of or are based upon (i) any untrue statement (or alleged untrue statement) of a material fact contained in any prospectus or other document (including any related Registration Statement) incident to any such registration, qualification, or compliance, or (ii) any omission (or alleged omission) to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading, or (iii) any violation or alleged violation by the Company of the Securities Act, the Exchange Act, any state securities law, or any rule or regulation promulgated under the Securities Act, the Exchange Act or any state securities law applicable to the Company and relating to action or inaction required of the Company in connection with any such registration, qualification, or compliance; and the Company shall pay as incurred to the Investors, each such underwriter, and each Person who controls the Investors or underwriter, any legal and any other expenses reasonably incurred in connection with investigating or defending any such claim, loss, damage, liability, or action; provided, however, that the indemnity contained in this Section 2.6(a) shall not apply to amounts paid in settlement of any such claim, loss, damage, liability, or action if settlement is effected without the consent of the Company (which consent shall not unreasonably be withheld); and provided, further, that the Company shall not be liable in any such case to the extent that any such claim, loss, damage, liability, or expense arises out of or is based upon any violation by such Investor of the obligations set forth in Section 2.5 hereof, any violation or alleged violation by any Investor of the Securities Act, the Exchange Act, any state securities law, or any rule or regulation promulgated under the Securities Act, the Exchange Act or any state securities law applicable to such Investor and relating to action or inaction required of such Investor in connection with any such registration and related qualification and compliance, or any untrue statement or omission contained in such prospectus or other document based upon written information furnished to the Company by the Investors, such underwriter, or such controlling Person and stated to be for use therein.

(b) To the extent permitted by law, each Investor (severally and not jointly) shall, if Registrable Securities held by such Investor are included for sale in the registration and related qualification and compliance effected pursuant to this Agreement, indemnify the Company, each of its directors, each officer of the Company who signs the applicable Registration Statement, each legal counsel and each underwriter of the Company's securities covered by such a Registration Statement, each Person who controls the Company or such underwriter within the meaning of the Securities Act against all claims, losses, damages, and liabilities (or actions in respect thereof) arising out of or based upon (i) any untrue statement (or alleged untrue statement) of a material fact contained in any such Registration Statement, or related document, or (ii) any omission (or alleged omission) to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading, or (iii) any violation or alleged violation by such Investor of Section 2.5 hereof, the Securities Act, the Exchange Act, any state securities law, or any rule or regulation promulgated under the Securities Act, the Exchange Act or any state securities law applicable to such Investor and relating to action or inaction required of such Investor in connection with any such registration and related qualification and compliance, and shall pay as incurred to such persons, any legal and any other expenses reasonably incurred in connection with investigating or defending any such claim, loss, damage, liability, or action, in each case only to the extent that such untrue statement (or alleged untrue statement) or omission (or alleged omission) is made in (and such violation pertains to) such Registration Statement or related document in reliance upon and in conformity with written information furnished to the Company by such Investor and stated to be specifically for use therein; provided, however, that the indemnity contained in this Section 2.6(b) shall not apply to amounts paid in settlement of any such claim, loss, damage, liability, or action if settlement is effected without the consent of such Investor (which consent shall not unreasonably be withheld); provided, further, that the Investor shall not be liable in any such case to the extent that any such claim, loss, damage, liability or expense arises out of or is based upon any bad faith willful misconduct or gross negligence of the Company; and provided, further, that such Investor's liability under this Section 2.6(b) (when combined with any amounts such Investor is liable for under Section 2.6(d)) shall not exceed such Investor's net proceeds from the offering of securities made in connection with such registration.

(c) Promptly after receipt by an indemnified party under this Section 2.6 of notice of the commencement of any action, such indemnified party shall, if a claim in respect thereof is to be made against an indemnifying party under this Section 2.6, notify the indemnifying party in writing of the commencement thereof and generally summarize such action. The indemnifying party shall have the right to participate in and to assume the defense of such claim; provided, however, that the indemnifying party shall be entitled to select counsel for the defense of such claim with the approval of any parties entitled to indemnification, which approval shall not be unreasonably withheld; provided further, however, that if either party reasonably determines that there may be a conflict between the position of the indemnified party and the indemnifying party in conducting the defense of such action, suit, or proceeding by reason of recognized claims for indemnity under this Section 2.6, then counsel for such party shall be entitled to conduct the defense to the extent reasonably determined by such counsel to be necessary to protect the interest of such party. The failure to notify an indemnifying party promptly of the commencement of any such action, if prejudicial to the ability of the indemnifying party to defend such action, shall relieve such indemnifying party, to the extent so prejudiced, of any liability to the indemnified party under this Section 2.6, but the omission so to notify the indemnifying party shall not relieve such party of any liability that such party may have to any indemnified party otherwise than under this Section 2.6.

(d) If the indemnification provided for in this Section 2.6 is held by a court of competent jurisdiction to be unavailable to an indemnified party with respect to any loss, liability, claim, damage, or expense referred to therein, then the indemnifying party, in lieu of indemnifying such indemnified party hereunder, shall contribute to the amount paid or payable by such indemnified party as a result of such loss, liability, claim, damage, or expense in such proportion as is appropriate to reflect the relative fault of the indemnifying party on the one hand and of the indemnified party on the other in connection with the statements, omissions or other actions that resulted in such loss, liability, claim, damage, or expense as well as to reflect any other relevant equitable considerations. The relative fault of the indemnifying party and of the indemnified party shall be determined by reference to, among other things, whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information supplied by the indemnifying party or by the indemnified party and the parties' relative intent, knowledge, access to information, and opportunity to correct or prevent such statement or omission. In no event, however, shall (i) any amount due for contribution hereunder be in excess of the amount that would otherwise be due under Section 2.6(a) or Section 2.6(b), as applicable, based on the limitations of such provisions and (ii) a Person found by a court of competent jurisdiction to be liable for fraudulent misrepresentation (within the meaning of the Securities Act) be entitled to contribution from a Person who was not found by a court of competent jurisdiction to be liable for of such fraudulent misrepresentation (within the meaning of the Securities Act).

(e) Notwithstanding the foregoing, to the extent that the provisions on indemnification and contribution contained in the underwriting agreement entered into in connection with an Underwritten Offering, or the Block Trade sale agreement, are in conflict with the foregoing provisions, the provisions in the underwriting agreement or Block Trade sale agreement shall control; provided, however, that the failure of the underwriting agreement to provide for or address a matter provided for or addressed by the foregoing provisions shall not be a conflict between the underwriting agreement or the Block Trade sale agreement and the foregoing provisions.

(f) The obligations of the Company and the Investors under this Section 2.6 shall survive the completion of any offering of Registrable Securities in a Registration Statement under this Agreement or otherwise.

2.7. Information. The Investors shall furnish to the Company such information regarding the Investors and the distribution proposed by the Investors as the Company may reasonably request and as shall be reasonably required in connection with any registration referred to in this Agreement. The Investors agree to, as promptly as practicable (and in any event prior to any sales made pursuant to a prospectus), furnish to the Company all information required to be disclosed in order to make the information previously furnished to the Company by the Investors not misleading. The Investors agree to keep confidential the receipt of any notice received pursuant to Section 2.4(e) and the contents thereof, except as required pursuant to applicable law. Notwithstanding anything to the contrary herein, the Company shall be under no obligation to name the Investors in any Registration Statement if the Investors have not provided the information required by this Section 2.7 with respect to the Investors as a selling securityholder in such Registration Statement or any related prospectus.

2.8. Rule 144 Requirements. With a view to making available to the Investors the benefits of Rule 144 and any other rule or regulation of the Commission that may at any time permit the Investors to sell Registrable Securities to the public without registration, the Company agrees to use its reasonable best efforts to:

- (a) make and keep public information available, as those terms are understood and defined in Rule 144 at all times after the date hereof;
- (b) file with the Commission in a timely manner all reports and other documents required of the Company under the Securities Act and the Exchange Act;
- (c) prior to the filing of the Registration Statement or any amendment thereto (whether pre-effective or post-effective), and prior to the filing of any prospectus or prospectus supplement related thereto, to provide the Investors with copies of all of the pages thereof (if any) that reference the Investors; and
- (d) furnish to any Investor, so long as the Investor owns any Registrable Securities, forthwith upon request (i) a written statement by the Company that it has complied with the reporting requirements of Rule 144, (ii) a copy of the most recent annual or quarterly report of the Company and such other reports and documents so filed by the Company, and (iii) such other information as may be reasonably requested by an Investor in availing itself of any rule or regulation of the Commission which permits an Investor to sell any such securities without registration.

2.9. Limitations on Subsequent Registration Rights. From and after the date of this Agreement, the Company shall not enter into any agreement with any holder or prospective holder of any securities of the Company which would provide to such holder rights with respect to the registration of such securities under the Securities Act or the Exchange Act that would conflict with or adversely affect any of the rights provided to the Investors in this Section 2; it being understood and agreed that any subsequent agreement of the Company with any holder or prospective holder of any securities of the Company of the same class (or convertible into or exchange for securities of the same class) as the Registrable Securities granting such Person rights under this Section 2 equivalent to the rights of the Investors under this Section 2 will not be prohibited by the terms of this Section 2.9.

Section 3. Miscellaneous

3.1. Amendment. No amendment, alteration or modification of any of the provisions of this Agreement shall be binding unless made in writing and signed by each of the Company and the Investors holding a majority of the Registrable Securities then outstanding.

3.2. Injunctive Relief. It is hereby agreed and acknowledged that it shall be impossible to measure in money the damages that would be suffered if the parties fail to comply with any of the obligations herein imposed on them and that in the event of any such failure, an aggrieved Person shall be irreparably damaged and shall not have an adequate remedy at law. Any such Person shall, therefore, be entitled (in addition to any other remedy to which it may be entitled in law or in equity) to injunctive relief, including, without limitation, specific performance, to enforce such obligations, and if any action should be brought in equity to enforce any of the provisions of this Agreement, none of the parties hereto shall raise the defense that there is an adequate remedy at law.

3.3. Notices. All notices required or permitted under this Agreement must be in writing and sent to the address or facsimile number identified below. Notices must be given: (a) by personal delivery, with receipt acknowledged; (b) by email followed by hard copy delivered by the methods under clause (c) or (d); (c) by prepaid certified or registered mail, return receipt requested; or (d) by prepaid reputable overnight delivery service. Notices shall be effective upon receipt. Either party may change its notice address by providing the other party written notice of such change. Notices shall be delivered as follows:

If to the Investors: At such Investor's address as set forth on Schedule A hereto

If to the Company: vTv Therapeutics Inc.
3980 Premier Drive, Suite 310
High Point, NC 27265
Attention: Steven Tuch
E-mail: stuch@vtvtherapeutics.com

with a copy to: Dechert LLP
3 Bryant Park
1095 Avenue of the Americas
New York, NY 10036-6797
Attention: David S. Rosenthal
E-mail: david.rosenthal@dechert.com

3.4. Governing Law; Jurisdiction; Venue; Jury Trial.

(a) This Agreement shall be governed by, and construed in accordance with, the law of the State of New York without giving effect to any choice or conflict of law provision or rule (whether of the State of New York or any other jurisdiction) that would cause the application of the laws of any jurisdiction other than the State of New York.

(b) Each of the Company and the Investors irrevocably and unconditionally submits, for itself and its property, to the nonexclusive jurisdiction of the courts of the State of New York sitting in the Borough of Manhattan, New York and of the United States District Court of the Southern District of New York, and any appellate court from any thereof, in any action or proceeding arising out of or relating to this Agreement and the transactions contemplated herein, or for recognition or enforcement of any judgment, and each of the Company and the Investors irrevocably and unconditionally agrees that all claims in respect of any such action or proceeding may be heard and determined in such New York state court or, to the fullest extent permitted by applicable law, in such federal court. Each of the Company and the Investors hereto agrees that a final judgment in any such action or proceeding shall be conclusive and may be enforced in other jurisdictions by suit on the judgment or in any other manner provided by law.

(c) Each of the Company and the Investors irrevocably and unconditionally waives, to the fullest extent permitted by applicable law, any objection that it may now or hereafter have to the laying of venue of any action or proceeding arising out of or relating to this Agreement and the transactions contemplated herein in any court referred to in Section 3.4(b) hereof. Each of the Company and the Investors hereby irrevocably waives, to the fullest extent permitted by applicable law, the defense of an inconvenient forum to the maintenance of such action or proceeding in any such court.

(d) EACH OF THE COMPANY AND THE INVESTORS HEREBY IRREVOCABLY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN ANY LEGAL PROCEEDING DIRECTLY OR INDIRECTLY ARISING OUT OF OR RELATING TO THIS AGREEMENT AND THE OTHER TRANSACTION DOCUMENTS OR THE TRANSACTIONS CONTEMPLATED HEREBY (WHETHER BASED ON CONTRACT, TORT OR ANY OTHER THEORY). EACH OF THE COMPANY AND THE INVESTORS (A) CERTIFIES THAT NO REPRESENTATIVE, AGENT OR ATTORNEY OF ANY OTHER PERSON HAS REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PERSON WOULD NOT, IN THE EVENT OF LITIGATION, SEEK TO ENFORCE THE FOREGOING WAIVER AND (B) ACKNOWLEDGES THAT EACH OF THE COMPANY AND THE INVESTORS HAS BEEN INDUCED TO ENTER INTO THIS AGREEMENT BY, AMONG OTHER THINGS, THE MUTUAL WAIVERS AND CERTIFICATIONS IN THIS SECTION.

3.5. Successors, Assigns and Transferees. Any and all rights, duties and obligations hereunder shall not be assigned, transferred, delegated or sublicensed by any party hereto without the prior written consent of the other party; provided, however, that the Investors shall be entitled to transfer Registrable Securities to one or more of their affiliates and, solely in connection therewith, may assign their rights hereunder in respect of such transferred Registrable Securities, in each case, so long as such Investor is not relieved of any liability or obligations hereunder, without the prior consent of the Company. Any transfer or assignment made other than as provided in the first sentence of this Section 3.5 shall be null and void. Subject to the foregoing and except as otherwise provided herein, the provisions of this Agreement shall inure to the benefit of, and be binding upon, the successors, permitted assigns, heirs, executors and administrators of the parties hereto. The Company shall not consummate any recapitalization, merger, consolidation, reorganization or other similar transaction whereby stockholders of the Company receive (either directly, through an exchange, via dividend from the Company or otherwise) equity (the "Other Equity") in any other entity (the "Other Entity") with respect to Registrable Securities hereunder, unless prior to the consummation thereof, the Other Entity assumes, by written instrument, the obligations under this Agreement with respect to such Other Equity as if such Other Equity were Registrable Securities hereunder.

3.6. Entire Agreement. This Agreement, together with any exhibits hereto, constitute the entire agreement between the parties relating to the subject matter hereof and all previous agreements or arrangements between the parties, written or oral, relating to the subject matter hereof are superseded.

3.7. Waiver. No failure on the part of either party hereto to exercise any power, right, privilege or remedy under this Agreement, and no delay on the part of either party hereto in exercising any power, right, privilege or remedy under this Agreement, shall operate as a waiver thereof; and no single or partial exercise of any such power, right, privilege or remedy shall preclude any other or further exercise thereof or of any other power, right, privilege or remedy.

3.8. Severability. If any part of this Agreement is declared invalid or unenforceable by any court of competent jurisdiction, such declaration shall not affect the remainder of the Agreement and the invalidated provision shall be revised in a manner that shall render such provision valid while preserving the parties' original intent to the maximum extent possible.

3.9. Titles and Subtitles. The titles and subtitles used in this Agreement are used for convenience only and are not to be considered in construing or interpreting this Agreement. All references in this Agreement to sections, paragraphs and exhibits shall, unless otherwise provided, refer to sections and paragraphs hereof and exhibits attached hereto.

3.10. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be enforceable against the parties that execute such counterparts (including by facsimile or other electronic means), and all of which together shall constitute one instrument.

3.11. Term and Termination. The Investors' rights to demand the registration of the Registrable Securities under this Agreement, as well as the Company's obligations hereunder other than pursuant to Section 2.6 hereof, shall terminate automatically once all Registrable Securities cease to be Registrable Securities pursuant to the terms of this Agreement.

[Remainder of Page Intentionally Left Blank; Signature Page Follows]

IN WITNESS WHEREOF, the parties hereto have executed this Registration Rights Agreement effective as of the day, month and year first above written.

VTV THERAPEUTICS INC.

By: /s/ Paul Sekhri
Name: Paul Sekhri
Title: President and Chief Executive Officer

[Signature Page to Registration Rights Agreement]

**FIRST AMENDMENT
TO
COMMON STOCK PURCHASE AGREEMENT**

THIS FIRST AMENDMENT TO COMMON STOCK PURCHASE AGREEMENT (this “Amendment”) is entered into this 27th day of February, 2024 (the “Effective Date”), by and between G42 Investments AI Holdings RSC Ltd (“G42”), a private limited company incorporated in the Abu Dhabi Global Market and vTv Therapeutics Inc., a Delaware corporation (“vTv” and, together with G42, the “Parties”), a Delaware corporation.

WHEREAS, the Parties previously entered into the Common Stock Purchase Agreement on May 31, 2022 (the “Agreement”).

WHEREAS, the Parties desire to amend the Agreement.

NOW, THEREFORE, based on the foregoing premises and the mutual covenants and obligations set forth below, the parties agree as follows:

1. Amendments. The following sections of the Agreement are amended as indicated below.

a. Section 1.1. The definition of “Rights Agreements” in Section 1.1 is amended and restated in its entirety as follows:

“Rights Agreements” means, together, (i) the Registration Rights Agreement, dated as of November 24, 2020, by and between the Company and Lincoln Park Capital Fund, LLC, (ii) the Investor Rights Agreement, dated as of July 29, 2015, by and among the Company, M&F TTP Holdings Two LLC, as successor in interest to vTv Therapeutics Holdings LLC and other stockholders party thereto and (iii) the Registration Rights Agreement, dated February 27, 2024, by and among the Company and the investors party thereto.

b. Section 5.4. Section 5.4 shall be amended and restated in its entirety as follows:

5.4. [Reserved].

c. Section 5.5. Section 5.5 shall be amended and restated in its entirety as follows:

5.5. Board Observer. For so long as (i) the Purchaser (together with its Affiliates) has Beneficial Ownership of a number of shares of Common Stock not less than the Closing Shares (as adjusted for any stock splits, stock dividends, recapitalizations or similar transactions) and (ii) there does not exist a Material Breach (each, a “Termination Event”), the Purchaser will have the right to designate a representative (the “Board Observer”) to act as a non-voting observer of meetings of the Board of Directors with the right to receive notice of and attend or otherwise participate in all meetings of the Board of Directors and to receive all information furnished to the Company’s directors at the same time as it is so furnished; *provided* that (a) the Board of Directors will have the right to approve the Board Observer (such approval not to be unreasonably withheld, conditioned or delayed) and (b) the Board of Directors may exclude the Board Observer from such portions of any meeting where the Board of Directors reasonably determines that such exclusion is necessary to preserve attorney-client privilege or to avoid a conflict of interest. The Purchaser, in consideration of its attendance and participation at such meetings, hereby agrees to cause the Board

Observer to be bound by and comply with the Company's confidentiality, trading windows and black-out policies applicable to insiders and others receiving the Company's confidential and proprietary information in the forms provided to the Purchaser prior to the date hereof, as amended from time to time (*provided* that no such policies shall restrict the Board Observer from making disclosures of information to the Purchaser and its Affiliates, it being understood that any information so disclosed will be subject to Section 5.2).

d. Section 6.2. Section 6.2 is amended and restated in its entirety and follows:

6.2 Notices. All notices, requests, consents and other communications under this Agreement to any party must be in writing and are deemed duly delivered when (a) delivered if delivered personally or by nationally recognized overnight courier service (costs prepaid), (b) transmitted via email (including via attached .pdf document) to the email address set out below or (c) received or rejected by the addressee, if sent by United States of America certified or registered mail, return receipt requested; in each case to the following addresses or email of the individual (by name or title) designated below (or to such other address, email or individual as a party may designate by notice to the other parties):

If to the Company:

vTv Therapeutics Inc.
3980 Premier Drive, Suite 310
High Point, NC 27265
Telephone: (917) 635-0706
Attention: Steven Tuch
Email: stuch@vtvtherapeutics.com

With a copy (which will not constitute notice) to:

Dechert LLP
3 Bryant Park
1095 Avenue of the Americas
New York, NY 10036-6797
Telephone: (202) 698-3616
Attention: David S. Rosenthal
Email: david.rosenthal@dechert.com

If to the Purchaser:

Martin Edelman
G42 Investments AI Holding RSC Ltd
Office 801, floor 8, Al Katem Tower, Abu Dhabi Global Market Square, AL
Maryah Island, Abu Dhabi, United Arab Emirates
Email: G42.Legal@g42.ai
Attention: Martin Edelman

With a copy (which will not constitute notice) to:

Paul Hastings (Europe) LLP
100 Bishopsgate, London, EC2N 4AG
Email: maxkirchner@paulhastings.com
davidprowse@paulhastings.com
Attention: Max Kirchner
David Prowse

If to HoldCo:

Martin Edelman
Group 42 Holding Limited
Office 801, Floor 8, Al Katem Tower, ADGM, Al Maryah Island, Abu Dhabi,
United Arab Emirates
Email: G42.Legal@g42.ai
Attention: Martin Edelman

2. **Defined Term.** Unless otherwise defined herein, all of the capitalized terms used in this amendment shall have the respective meanings ascribed to them in the Agreement.
3. **Effect.** Except as expressly amended by this Amendment, the Agreement remains in full force and effect.
4. **Governing Law.** This Amendment shall be governed by and interpreted in accordance with the internal laws of England and Wales, without regards to its conflicts of laws rules.

[Signature page follows]

IN WITNESS WHEREOF, the Parties have signed this Agreement as of the Effective Date.

G42 INVESTMENTS AI HOLDINGS RSC LTD

By: /s/ Peng Xiao

Name: Peng Xiao

Title: Director

[Signature Page to Common Stock Purchase Agreement Amendment]

VTV THERAPEUTICS INC.

By: /s/ Paul Sekhri

Name: Paul Sekhri

Title: President and Chief Executive Officer

[Signature Page to Common Stock Purchase Agreement Amendment]

**FIRST AMENDMENT
TO
COMMON STOCK AND WARRANT PURCHASE AGREEMENT**

THIS FIRST AMENDMENT TO COMMON STOCK AND WARRANT PURCHASE AGREEMENT (this "Amendment") is entered into this 27th day of February, 2024 (the "Effective Date"), by and between CinPax, LLC ("CinPax"), an Ohio limited liability company, CinRx Pharma, LLC ("CinRx"), an Ohio limited liability company, and vTv Therapeutics Inc., a Delaware corporation ("vTv" and, together with CinPax and CinRx, the "Parties"), a Delaware corporation.

WHEREAS, the Parties previously entered into a Common Stock and Warrant Purchase Agreement on July 22, 2022 (the "Agreement").

WHEREAS, the Parties desire to amend the Agreement.

NOW, THEREFORE, based on the foregoing premises and the mutual covenants and obligations set forth below, the parties agree as follows:

1. Amendments. The following sections of the Agreement are amended as indicated below.

a. Section 1.1. The definition of "Rights Agreements" in Section 1.1 is amended and restated in its entirety as follows:

"Rights Agreements" means, together, (i) the Registration Rights Agreement, dated as of November 24, 2020, by and between the Company and Lincoln Park Capital Fund, LLC, (ii) the Investor Rights Agreement, dated as of July 29, 2015, by and among the Company, M&F TTP Holdings Two LLC, as successor in interest to vTv Therapeutics Holdings LLC and other stockholders party thereto, (iii) the Common Stock Purchase Agreement, dated as of May 31, 2022, by and among the Company, G42 Investments AI Holding RSC Ltd and Group 42 Holding Limited and (iv) the Registration Rights Agreement, dated February 27, 2024, by and among the Company and the investors party thereto.

b. Section 5.3. Section 5.3 is amended and restated in its entirety as follows:

5.3 [Reserved].

c. Section 5.4. Section 5.4 is amended and restated in its entirety as follows:

5.4 [Reserved].

d. Section 5.5. Section 5.5 is amended and restated in its entirety as follows:

5.5 Board Observer. For the two year period beginning on February 27, 2024 (the "Initial Board Observer Period"), the Purchaser will have the right to designate Jonathan Isaacsohn as a representative (the "Board Observer") to act as a non-voting observer of meetings of the Board of Directors with the right to receive notice of and attend or otherwise participate in all meetings of the Board of Directors and to receive all information furnished to the Company's directors at the same time as it is so furnished; provided that the Board of Directors may exclude the Board Observer from such portions of

any meeting where the Board of Directors reasonably determines that such exclusion is necessary to preserve attorney-client privilege or to avoid a conflict of interest. The Purchaser, in consideration of its attendance and participation at such meetings, hereby agrees to cause the Board Observer to be bound by and comply with the Company's confidentiality, trading windows and black-out policies applicable to insiders and others receiving the Company's confidential and proprietary information (provided that no such policies shall restrict the Board Observer from making disclosures of information to the Purchaser and its Affiliates, it being understood that any information so disclosed will be subject to Section 5.1). After the expiration of the Initial Board Observer Period, the Board of Directors will have the right to approve the continuation of Dr. Isaccohn acting as a Board Observer or to terminate the Board Observer rights granted pursuant to this Section 5.5.

e. Section 6.2. Section 6.2 is amended and restated in its entirety and follows:

6.2 Notices. All notices, requests, consents and other communications under this Agreement to any party must be in writing and are deemed duly delivered when (a) delivered if delivered personally or by nationally recognized overnight courier service (costs prepaid), (b) transmitted via email (including via attached .pdf document) to the email address set out below or (c) received or rejected by the addressee, if sent by United States of America certified or registered mail, return receipt requested; in each case to the following addresses or email of the individual (by name or title) designated below (or to such other address, email or individual as a party may designate by notice to the other parties):

If to the Company:

vTv Therapeutics Inc.
3980 Premier Drive, Suite 310
High Point, NC 27265
Telephone: (917) 635-0706
Attention: Steven Tuch
Email: stuch@vtvtherapeutics.com

with a copy (which will not constitute notice) to:

Dechert LLP
3 Bryant Park
1095 Avenue of the Americas
New York, NY 10036-6797
Telephone: (202) 698-3616
Attention: David S. Rosenthal
Email: david.rosenthal@dechert.com

If to the Purchaser:

CinPax, LLC
Attn: General Counsel
5375 Medpace Way
Cincinnati, Ohio 45227
Email: s.ewald@medpace.com

With a copy (which will not constitute notice) to:

Thompson Hine LLP
312 Walnut Street, Suite 2000
Cincinnati, Ohio 45202-4024
Email: Louis.Solimine@thompsonhine.com
Naveen.Pogula@thompsonhine.com
Attention: Louis Solimine
Naveen Pogula

If to HoldCo:

CinRx Pharma, LLC
Attn: General Counsel
5375 Medpace Way
Cincinnati, Ohio 45227
Email: s.ewald@medpace.com

2. **Defined Terms.** Unless otherwise defined herein, all of the capitalized terms used in this amendment shall have the respective meanings ascribed to them in the Agreement.
3. **Effect.** Except as expressly amended by this Amendment, the Agreement remains in full force and effect.
4. **Governing Law.** This Amendment shall be governed by and interpreted in accordance with the internal laws of Delaware, without regards to its conflicts of laws rules.

[Signature page follows]

IN WITNESS WHEREOF, the Parties have signed this Agreement as of the Effective Date.

CINPAX, LLC

By: /s/ Jon Isaacsohn

Name: Jon Isaacsohn

Title: Officer

CINRX PHARMA, LLC

By: /s/ Jon Isaacsohn

Name: Jon Isaacsohn

Title: Officer

[Signature Page to First Amendment to Common Stock and Warrant Purchase Agreement]

VTV THERAPEUTICS INC.

By: /s/ Paul Sekhri

Name: Paul Sekhri

Title: President and Chief Executive Officer

[Signature Page to First Amendment to Common Stock and Warrant Purchase Agreement]

**FIRST AMENDMENT
TO
INVESTOR RIGHTS AGREEMENT**

THIS FIRST AMENDMENT TO INVESTOR RIGHTS AGREEMENT (this "Amendment") is entered into this 27th day of February, 2024 (the "Effective Date"), by and between M&F TTP Holdings Two LLC (as successor in interest to vTv Therapeutics Holdings LLC) ("Holdings"), a Delaware limited liability company, and vTv Therapeutics Inc., a Delaware corporation ("vTv" and, together with Holdings, the "Parties"), a Delaware corporation.

WHEREAS, Holdings and vTv previously entered into an Investor Rights Agreement on July 29, 2015 (the "Agreement").

WHEREAS, the Parties desire to amend the Agreement.

NOW, THEREFORE, based on the foregoing premises and the mutual covenants and obligations set forth below, the parties agree as follows:

1. Amendments. The following sections of the Agreement are amended as indicated below.

a. **Section 2.02(h)(ii).** Section 2.04(h)(ii) of the Agreement is amended and restated in its entirety as follows:

(ii) If a Piggyback Registration involves a Public Offering (other than any Demand Registration, in which case the provisions with respect to priority of inclusion in such offering set forth in Section 2.01(e) shall apply) and the lead managing underwriter advises the Company that, in its view, the number of Registrable Securities that the Company and such Registering Stockholders intend to include in such registration exceeds the Maximum Offering Size, the Company shall include in such registration, in the following priority, up to the Maximum Offering Size:

(A) first, so much of the Registrable Securities proposed to be registered for the account of the Company as would not cause the offering to exceed the Maximum Offering Size;

(B) second, any securities proposed to be registered pursuant to the Registration Rights Agreement, dated February 27, 2024, by and among the Company and the investors party thereto (the "2024 Registration Rights Agreement"), with such priorities among them to be determined pursuant to the terms of the 2024 Registration Rights Agreement, up to the Maximum Offering Size;

(C) third, all Registrable Securities requested to be included in such registration by any Registering Stockholders pursuant to this Section 2.02 (allocated, if necessary for the offering not to exceed the Maximum Offering Size, pro rata among such Stockholders on the basis of the relative number of shares of Registrable Securities so requested to be included in such registration by each such Stockholder); and

(D) fourth, any securities proposed to be registered for the account of any other Persons with such priorities among them as the Company shall determine.

b. **Section 2.13.** Section 2.13 of the Agreement is amended and restated in its entirety as follows:

Section 2.13. *Limitations on Subsequent Registration Rights.* Except for the 2024 Registration Rights Agreement, the Company agrees that it shall not enter into any agreement with any holder or prospective holder of any securities of the Company (i) that would allow such holder or prospective holder to include such securities in any Demand Registration, Piggyback Registration or Shelf Registration unless, under the terms of such agreement, such holder or prospective holder may include such securities in any such registration only to the extent that their inclusion would not be on terms more favorable in the aggregate to such holder or prospective holder than this Agreement. The Company also represents and warrants to each Stockholder that it has not prior to the date of this Agreement entered into any agreement with respect to any of its securities granting any registration rights to any Person.

c. **Section 3.01(c).** Section 3.01(c) is amended and restated in its entirety as follows:

(c) *Committees.* The Board shall have a nominating and corporate governance committee, a compensation committee, an audit committee and such other committees as the Board may determine (collectively, the “Committees”). Subject to Section 3.02:

(i) the audit committee shall consist of at least three Audit Committee Independent Directors, subject to the exceptions provided by the applicable transition periods under Rule 10A-3 of the Exchange Act and the NASDAQ Stock Market Rules; and

(ii) each other Committee shall consist of at least three directors;

provided, however, that: (i) the membership of each Committee shall meet the requirements of Applicable Governance Rules (after giving effect to applicable transition periods, if any), and (ii) each Committee shall have such additional members as the Board may determine, which determination shall be made on the recommendation of the nominating and corporate governance committee. Each Committee shall have such powers and responsibilities as the Board may from time to time authorize.

d. **Section 3.02(a).** Section 3.02(a) is amended and restated in its entirety as follows:

(a) *Board Nominees.* Notwithstanding anything to the contrary in this Agreement, so long as the MacAndrews Stockholders continue to beneficially own in the aggregate at least 50% of the shares of Common Stock (including all shares of Common Stock issuable upon exercise of warrants and upon conversion or exercise of any other outstanding securities of the Company convertible or exercisable in exchange for shares of Common Stock) owned by them in the aggregate on February 27, 2024, as adjusted for stock splits, recapitalizations and similar events (the “Minimum Ownership Requirement”), Holdings or any Person designated by Holdings may designate two Holdings Nominees.

After the Minimum Ownership Requirement is no longer satisfied, Holdings shall cause the Holdings Nominees to resign as required to comply with this Section 3.02 upon the earlier to occur of (i) the date on which the current term of the resigning Holdings Nominee ends, and (ii) 12 months from the date on which the MacAndrews Stockholders cease to comply with the Minimum Ownership Requirement.

e. **Section 3.02(b).** Section 3.02(b) is amended and restated in its entirety as follows:

(b) [Reserved].

f. **Section 5.02.** Section 5.02 is amended and restated in its entirety as follows:

Notices. All notices, requests and other communications to any party hereunder shall be in writing (including facsimile or electronic transmission) and shall be given,

if to the Company, to:

vTv Therapeutics Inc.
3980 Premier Drive, Suite 310
High Point, NC 27265
Telephone: (917) 635-0706
Attention: Steven Tuch
Email: stuch@vtvtherapeutics.com

with a copy to:

Dechert LLP
3 Bryant Park
1095 Avenue of the Americas
New York, NY 10036-6797
Telephone: (202) 698-3616
Attention: David S. Rosenthal
Email: david.rosenthal@dechert.com

if to Holdings, to:

c/o MacAndrews & Forbes Incorporated
31 East 62nd Street
New York, NY 10065
Attention: Jeff Brodsky
Email: jbrodsky@mafgrp.com

or such other address or facsimile number as such party may hereafter specify for the purpose by notice to the other parties hereto. All notices, requests and other communications shall be deemed received on the date of receipt by the recipient thereof if received prior to 5:00 p.m. in the place of receipt and such day is a Business Day in the place of receipt. Otherwise, any such notice, request or communication shall be deemed not to have been received until the next succeeding Business Day in the place of receipt. Any Person that becomes a Stockholder shall provide its address and fax number to the Company, which shall promptly provide such information to each other Stockholder.

2. **Defined Terms.** Unless otherwise defined herein, all of the capitalized terms used in this amendment shall have the respective meanings ascribed to them in the Agreement.
3. **Effect.** Except as expressly amended by this Amendment, the Agreement remains in full force and effect.
4. **Governing Law.** This Amendment shall be governed by and interpreted in accordance with the internal laws of New York, without regards to its conflicts of laws rules.

[Signature page follows]

IN WITNESS WHEREOF, the Parties have signed this Agreement as of the Effective Date.

M&F TTP HOLDINGS TWO LLC

By: /s/ Jeffrey Brodsky
Name: Jeffrey Brodsky
Title: Chief Financial Officer

[Signature Page to First Amendment to Investor Rights Agreement]

VTV THERAPEUTICS INC.

By: /s/ Paul Sekhri

Name: Paul Sekhri

Title: President and Chief Executive Officer

[Signature Page to First Amendment to Investor Rights Agreement]

vTv Therapeutics Announces \$51 Million Private Placement from Healthcare-focused Institutional Investors and the JDRF T1D Fund***Proceeds to fully fund first Phase 3 study of cadisegliatin, expected to initiate in mid-2024***

HIGH POINT, N.C., February 28, 2024 (GLOBE NEWSWIRE) — vTv Therapeutics Inc. (Nasdaq: VTVT), a clinical stage biopharmaceutical company focused on the development of *cadisegliatin* (TTP399) as an adjunctive therapy to insulin for the treatment of type 1 diabetes (“T1D”), today announced that it has closed a private placement to healthcare-focused institutional investors (“the investors”), including a life sciences-focused institutional investor, Samsara BioCapital, LLC (“Samsara”) and the JDRF T1D Fund, of (i) 464,377 shares of common stock at a price of \$11.81 per share, which is the 45 day VWAP ended on January 29, 2024, and (ii) pre-funded warrants for 3,853,997 shares of common stock in lieu of vTv common stock in a private placement financing (the “PIPE”). Total gross proceeds of the PIPE were \$51 million.

Further, in conjunction with the PIPE, vTv has reduced the size of its Board of Directors from nine to seven members, three of whose members will be designated by the new investors, and includes Srinivas Akkaraju, MD, PhD, Founder and Managing General Partner at Samsara. Additional information regarding the composition of the Board is available in a Current Report on Form 8-K filed with the SEC.

vTv expects to use the proceeds from the PIPE to fund the first Phase 3 study of its lead product candidate, *cadisegliatin*, which is expected to initiate in mid-2024.

“We are excited to bring on additional high-quality investors as we prepare to initiate the first Phase 3 study of *cadisegliatin*,” said Paul Sekhri, President and Chief Executive Officer of vTv Therapeutics. “We believe that the proceeds of the PIPE will take the Company through topline data from the first Phase 3 *cadisegliatin* study, which represents a significant inflection point for vTv.”

“Having followed the vTv story for several years, we are familiar with *cadisegliatin* and firmly believe in its potential to provide significant benefit to people living with T1D,” added Dr. Akkaraju. “I look forward to working closely with the Board, as well as Paul and the leadership team to help guide the continued advancement of this highly promising program as it moves toward Phase 3 development.”

“We are proud to support vTv’s continued study of *cadisegliatin* as a potential adjunctive therapy to insulin and are excited for the initiation of the Phase 3 study as they further assess its potential to improve the lives of people living with T1D,” said Steven St. Peter, M.D., Managing Director of the JDRF T1D Fund. JDRF is the world’s largest nonprofit funder of T1D research focused on accelerating cures, preventing, and treating T1D. There are more than 18 million people living with T1D worldwide with fewer than 30% meeting their A1c targets, demonstrating the clear need for additional therapies.

The securities described above have not been registered under the Securities Act of 1933, as amended. Accordingly, these securities may not be offered or sold in the United States, except pursuant to an effective registration statement or an applicable exemption from the registration requirements of the Securities Act. Subject to certain conditions, vTv has agreed to file a registration statement with the Securities and Exchange Commission (SEC) if requested by the investors pursuant to a registration rights agreement, registering the resale of the shares of common stock and shares of common stock issuable upon the exercise of the pre-funded warrants issued in this PIPE.

This press release shall not constitute an offer to sell or the solicitation of an offer to buy these securities, nor shall there be any sale of these securities in any state or other jurisdiction in which such offer, solicitation or sale would be unlawful prior to the registration or qualification under the securities laws of any such jurisdiction.

About vTv Therapeutics

vTv Therapeutics Inc. is a clinical stage biopharmaceutical company focused on developing oral, small molecule drug candidates. vTv has a pipeline of clinical drug candidates led by *cadisegliatin* (TTP399), a potential adjunctive therapy to insulin for the treatment of type 1 diabetes. vTv and its development partners are pursuing additional indications including type 2 diabetes and other chronic conditions.

Forward-Looking Statements

This release contains forward-looking statements, which involve risks and uncertainties. These forward-looking statements can be identified by the use of forward-looking terminology, including the terms “anticipate,” “believe,” “could,” “estimate,” “expect,” “intend,” “may,” “plan,” “potential,” “predict,” “project,” “should,” “target,” “will,” “would” and, in each case, their negative or other various or comparable terminology. All statements other than statements of historical facts contained in this release, including statements regarding the future reduction of the size of the board, the expected use of proceeds from the offering, the timing of our clinical trials, the anticipated effect of Phase 3 topline date on the Company, the benefits of *cadisegliatin* to people living with T1D, our strategy, future operations, future financial position, future revenue, projected costs, prospects, plans, objectives of management and expected market growth are forward-looking statements. These statements involve known and unknown risks, uncertainties and other important factors that may cause our actual results, performance, or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Important factors that could cause our results to vary from expectations include those described under the heading “Risk Factors” in our Annual Report on Form 10-K, subsequent Quarterly Reports on Form 10-Q and our other filings with the SEC. These forward-looking statements reflect our views with respect to future events as of the date of this release and are based on assumptions and subject to risks and uncertainties. In addition, we may not be able to successfully complete a successful financing, partnering or licensing transactions with respect to *cadisegliatin*. Given these uncertainties, you should not place undue reliance on these forward-looking statements. These forward-looking statements represent our estimates and assumptions only as of the date of this release and, except as required by law, we undertake no obligation to update or review publicly any forward-looking statements, whether as a result of new information,

future events or otherwise after the date of this release. We anticipate that subsequent events and developments will cause our views to change. Our forward-looking statements do not reflect the potential impact of any future acquisitions, merger, dispositions, joint ventures, or investments we may undertake. We qualify all of our forward-looking statements by these cautionary statements.

Contacts:

Investors:

Lee Roth

Burns McClellan

lroth@burnsmc.com

Media:

Selina Husain / Robert Flamm, Ph.D.

Burns McClellan, Inc.

shusain@burnsmc.com / rflamm@burnsmc.com