

vTv Therapeutics Inc.  
Form 424B5  
March 20, 2019  
Filed Pursuant to Rule 424(b)(5)

Registration No. 333-223269

PROSPECTUS SUPPLEMENT

(To Prospectus dated March 19, 2018)

3,636,364 Shares of Class A Common Stock

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We are offering 3,636,364 shares of our Class A common stock directly to certain institutional investors pursuant to this prospectus supplement and the accompanying base prospectus. Each share of Class A common stock is being sold at a purchase price of \$1.65. Our common stock is traded on The Nasdaq Capital Market under the symbol "VTVT." On March 15, 2019, the last reported sale price of our common stock as reported on The Nasdaq Capital Market was \$2.30 per share.

As of March 18, 2019, the aggregate market value of the outstanding Class A common stock held by non-affiliates, computed by reference to the price at which our Class A common stock was last sold on January 24, 2019 was \$21,264,289, based on 23,619,599 shares of our outstanding Class A common stock as of March 18, 2019, of which 6,994,832 shares of Class A common stock were held by non-affiliates. During the 12 calendar months prior to and including the date of this prospectus (excluding this offering), we have not sold any securities pursuant to General Instruction I.B.6 of Form S-3.

We have retained H.C. Wainwright & Co., LLC to act as our exclusive placement agent ("placement agent") in connection with the shares of Class A common stock offered by this prospectus supplement. The placement agent has agreed to use its reasonable best efforts to arrange for the sale of the Class A common stock offered by this prospectus supplement. The placement agent is not purchasing or selling any of the shares of Class A common stock we are offering and the placement agent is not required to arrange the purchase or sale of any specific number of shares or dollar amount. We have agreed to pay to the placement agent the placement agent fees set forth in the table below, which assumes that we sell all of the Class A common stock offered by this prospectus supplement. All sales will be evidenced by a securities purchase agreement between us and the investors. See "Plan of Distribution" on page S-10 of this prospectus supplement for more information regarding these arrangements.

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Investing in our Class A common stock involves risks that are referenced under the caption "Risk Factors" on page S-3 of this prospectus supplement. We are an "emerging growth company" as that term is used in the Jumpstart Our Business Startups Act of 2012 (the "JOBS Act") and, as such, have elected to comply with certain reduced public company reporting requirements for this prospectus supplement, the accompanying base prospectus and our filings with the Securities and Exchange Commission.

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|                | Per Share | Total       |
|----------------|-----------|-------------|
| Offering price | \$1.65    | \$6,000,001 |

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|                                       |           |             |
|---------------------------------------|-----------|-------------|
| Placement agent's fees <sup>(1)</sup> | \$0.10725 | \$390,000   |
| Proceeds, before expenses, to us      | \$1.54275 | \$5,610,001 |

(1) We have also agreed to reimburse the placement agent for certain offering-related expenses. See "Plan of Distribution."

We have agreed to pay the placement agent a placement agent fee in an amount equal to 6.5% of the aggregate gross proceeds in this offering. Because there is no minimum offering amount required as a condition to closing in this offering, the actual offering amount, placement agent fees, and proceeds to us, if any, are not presently determinable and may be substantially less than the total maximum offering amounts set forth above. See "Plan of Distribution" for more information on this offering and the placement agent arrangements.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus supplement or the accompanying prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

Delivery of the shares of Class A common stock is expected to be made on or about March 20, 2019, subject to customary closing conditions.

H.C. Wainwright & Co.

The date of this prospectus supplement is March 18, 2019.

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Prospectus

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## ABOUT THIS PROSPECTUS SUPPLEMENT

This prospectus supplement and the accompanying prospectus relate to an offering of our Class A common stock. Before buying any of the securities that we are offering, we urge you to carefully read this prospectus supplement and the accompanying prospectus, together with the information incorporated by reference as described under “Where You Can Find More Information” and “Incorporation of Certain Information by Reference” in this prospectus supplement. These documents contain important information that you should consider when making your investment decision.

Unless the context requires otherwise, references in this prospectus supplement and the accompanying prospectus to “vTv,” “the company,” “we,” “us” and “our” refer to vTv Therapeutics Inc.

This document is in two parts. The first part is this prospectus supplement, which describes the terms of this offering and also adds to, updates and changes information contained in the accompanying prospectus and the documents incorporated by reference. The second part is the accompanying prospectus, which gives more general information. To the extent the information contained in this prospectus supplement differs from or conflicts with the information contained in the accompanying prospectus or any document incorporated by reference, the information in this prospectus supplement will control. If any statement in one of these documents is inconsistent with a statement in another document having a later date — for example, a document incorporated by reference into the accompanying prospectus — the statement in the document having the later date modifies or supersedes the earlier statement.

Neither we nor the placement agent have authorized anyone to provide you with information different from that which is contained in or incorporated by reference in this prospectus supplement, the accompanying prospectus and in any free writing prospectus that we have authorized for use in connection with this offering. No one is making offers to sell or seeking offers to buy these securities in any jurisdiction where the offer or sale is not permitted. You should assume that the information contained in this prospectus supplement is accurate as of the date on the front cover of this prospectus supplement only and that any information we have incorporated by reference or included in the accompanying prospectus is accurate only as of the date given in the document incorporated by reference or as of the date of the prospectus, as applicable, regardless of the time of delivery of this prospectus supplement, the accompanying prospectus, any related free writing prospectus, or any sale of our securities. Our business, financial condition, results of operations and prospects may have changed since that date.

We further note that the representations, warranties and covenants made by us in any agreement that is filed as an exhibit to any document that is incorporated by reference into this prospectus supplement or the accompanying prospectus were made solely for the benefit of the parties to such agreement, including, in some cases, for the purpose of allocating risk among the parties to such agreements, and should not be deemed to be a representation, warranty or covenant to you. Moreover, such representations, warranties or covenants were accurate only as of the date when made. Accordingly, such representations, warranties and covenants should not be relied on as accurately representing the current state of our affairs.

## WHERE YOU CAN FIND MORE INFORMATION

This prospectus supplement and the accompanying prospectus are part of the registration statement on Form S-3 we filed with the Securities and Exchange Commission (the “SEC”) under the Securities Act of 1933, as amended (the “Securities Act”) and do not contain all the information set forth in the registration statement. Whenever a reference is made in this prospectus supplement or the accompanying prospectus to any of our contracts, agreements or other documents, the reference may not be complete and you should refer to the exhibits that are a part of the registration statement or the exhibits to the reports or other documents incorporated by reference in this prospectus supplement and the accompanying prospectus for a copy of such contract, agreement or other document. Because we are subject to the information and reporting requirements of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), we file annual, quarterly and current reports, proxy statements and other information with the SEC. Our SEC filings are available to the public over the internet at the SEC’s website at <http://www.sec.gov>. Our SEC filings are also

available free of charge on or through our website at [www.vtvtherapeutics.com](http://www.vtvtherapeutics.com), as soon as reasonably practicable after we electronically file such material with or otherwise furnish it to the SEC. The information on, or accessible through, our website is not part of, and is not

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incorporated into, this prospectus supplement or the accompanying prospectus and should not be considered part of this prospectus supplement or the accompanying prospectus.

#### INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

In this prospectus supplement, we “incorporate by reference” certain information that we file with the SEC, which means that we can disclose important information to you by referring you to that information. The information we incorporate by reference is an important part of this prospectus supplement, and later information that we file with the SEC will automatically update and supersede this information. The following documents have been filed by us with the SEC and are incorporated by reference into this prospectus supplement:

- our Annual Report on Form 10-K for the year ended December 31, 2018, filed with the SEC on February 26, 2019;
- portions of our Definitive Proxy Statement on Schedule 14A filed with the SEC on March 15, 2019 that are incorporated by reference into Part III of our Annual Report on Form 10-K for the fiscal year ended December 31, 2018;
- our Current Reports on Form 8-K filed with the SEC on February 28, 2019 and March 11, 2019; and
- the description of our Class A common stock set forth in our registration statement filed on Form 8-A pursuant to Section 12 of the Exchange Act with the SEC on July 30, 2015, and any amendment or report filed for the purpose of updating that description.

All documents and reports that we file with the SEC (other than any portion of such filings that are furnished under applicable SEC rules rather than filed) under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act from the date of this prospectus until the completion of the offering under this prospectus shall be deemed to be incorporated in this prospectus by reference. The information contained on or accessible through our website (<http://www.vtvtherapeutics.com>) is not incorporated into this prospectus

We will furnish without charge to you, upon written or oral request, a copy of any or all of the documents incorporated by reference, including exhibits to these documents. You should direct any requests for documents to:

vTv Therapeutics Inc.  
Attn: Chief Financial Officer  
4170 Mendenhall Oaks Pkwy

High Point, NC 27265

Telephone: (336) 841-0300

You should rely only on the information contained or incorporated by reference in the prospectus, this prospectus supplement, any free writing prospectus that we authorize and any pricing supplement. We have not authorized any person, including any salesman or broker, to provide information other than that provided in the prospectus, this or

any applicable prospectus supplement, any free writing prospectus that we authorize or any pricing supplement. We have not authorized anyone to provide you with different information. We do not take responsibility for, and can provide no assurance as to the reliability of, any information that others may give you. We are not making an offer of the securities in any jurisdiction where the offer is not permitted. You should not assume that the information in the prospectus, this or any applicable prospectus supplement, any free writing prospectus that we authorize and any pricing supplement or any document incorporated by reference is accurate as of any date other than the date of the applicable document.

Any statement contained in a document incorporated or deemed to be incorporated by reference into this prospectus supplement will be deemed to be modified or superseded for purposes of this prospectus supplement to the extent that a statement contained in the prospectus, this or any prospectus supplement, or any other subsequently filed document that is deemed to be incorporated by reference into this prospectus supplement modifies or supersedes the statement. Any statement so modified or superseded will not be deemed, except as so modified or superseded, to constitute a part of this prospectus supplement.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus supplement and the accompanying prospectus, including the documents that we incorporate by reference herein and therein, contain statements that are not strictly historical in nature and are forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, or the Securities Act, and within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act. These forward-looking statements are subject to the “safe harbor” created by Section 27A of the Securities Act and Section 21E of the Exchange Act and may include, but are not limited to, statements about:

our ability to successfully develop, market, commercialize and achieve market acceptance for azeliragon or any other product candidates or therapies that we may develop;

our estimates for future performance;

our estimates regarding anticipated operating losses, future revenues, capital requirements and our needs for additional financing;

the progress or success of our research, development and clinical programs, including the application for and receipt of regulatory clearances and approvals;

our ability to protect our intellectual property and operate our business without infringing upon the intellectual property rights of others;

scientific studies and the conclusions we draw from them; and

our anticipated use of proceeds from this offering.

In some cases, you can identify forward-looking statements by terms such as “anticipates,” “believes,” “could,” “estimates,” “expects,” “goal,” “intends,” “may,” “plans,” “potential,” “predicts,” “projects,” “should,” “will,” “would,” the negative of the words or similar expressions intended to identify forward-looking statements. These statements reflect our views as of the date on which they were made with respect to future events and are based on assumptions and subject to risks and uncertainties. The underlying information and expectations are likely to change over time. Given these uncertainties, you should not place undue reliance on these forward-looking statements as actual events or results may differ materially from those projected in the forward-looking statements due to various factors, including, but not limited to, those set forth under the heading “Risk Factors” in this prospectus supplement, in the accompanying prospectus, and in our filings with the Securities and Exchange Commission, or SEC. These forward-looking statements represent our estimates and assumptions only as of the date of the document containing the applicable statement.

You should understand that our actual future results may be materially different from what we expect. We qualify all of the forward-looking statements in the foregoing documents by these cautionary statements. Unless required by law, we undertake no obligation to update or revise any forward-looking statements to reflect new information or future



events or developments. Thus, you should not assume that our silence over time means that actual events are bearing out as expressed or implied in such forward-looking statements. Before deciding to purchase our securities in this offering, you should carefully consider the risk factors discussed or incorporated by reference herein, in addition to the other information set forth in this prospectus supplement, the accompanying prospectus and in the documents incorporated by reference.

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## PROSPECTUS SUPPLEMENT SUMMARY

This summary does not contain all the information that you should consider before investing in the securities offered by this prospectus supplement. You should carefully read the entire prospectus supplement and the accompanying prospectus, including the “Risk Factors” sections, as well as the financial statements and the other information incorporated by reference herein and the information in any free writing prospectus that we may authorize for use in connection with this offering before making an investment decision.

### Overview

We are a clinical-stage biopharmaceutical company engaged in the discovery and development of orally administered small molecule drug candidates to fill significant unmet medical needs. We have a powerful pipeline of clinical drug candidates, led by our programs for the treatment of Alzheimer’s disease (“AD”) and diabetes. Our drug candidate for the treatment of AD, azeliragon (TTP488), is an orally administered, small molecule antagonist targeting the receptor for advanced glycation endproducts. We have initiated start-up activities for a Phase 2/3 trial to evaluate azeliragon as a potential treatment of mild-AD in patients with type 2 diabetes. Our type 2 diabetes drug candidates are TTP399, an orally administered, liver-selective glucokinase activator, which successfully completed a Phase 2b clinical trial in type 2 diabetes, and TTP273, an orally administered, non-peptide agonist that targets the glucagon-like peptide-1 receptor, which successfully completed a Phase 2 clinical trial in type 2 diabetes. We are currently investigating TTP399 as a treatment for type 1 diabetes in an adaptive Phase 2 study in partnership with JDRF International. In addition, we are furthering the development of our peroxisome proliferation activated receptor delta agonist and phosphodiesterase type 4 programs through partnerships with pharmaceutical partners via licensing arrangements. Finally, we continue to advance our NRF2 pathway program via research agreements with academic and industry collaborators.

### Recent Developments

On March 18, 2019, the Company also entered into a letter agreement (the “Letter Agreement”) with MacAndrews & Forbes Group LLC for its commitment to purchase, at the Company’s option, exercisable on demand during a one-year period after the date of the Letter Agreement (the “Investment Period”), Common Stock at a per share price of \$1.65, which is the same price as the Common Stock under the Registered Direct Offering. The Letter Agreement also permits MacAndrews & Forbes Group LLC to exercise an option to purchase Common Stock at the same price up to three times during the Investment Period. The aggregate amount of Common Stock that may be purchased by MacAndrews & Forbes Group LLC (whether at its or the Company’s option) pursuant to the Letter Agreement is limited to \$9.0 million.

For a description of our business, financial condition, results of operations and other important information regarding us, see our filings with the SEC incorporated by reference in this prospectus. For instructions on how to find copies of the filings incorporated by reference in this prospectus, see “Where You Can Find More Information.”

### Corporate Information

We were incorporated in Delaware under the name vTv Therapeutics Inc. in April 2015. Our principal executive office is located at 4170 Mendenhall Oaks Pkwy, High Point, NC 27265, Telephone (336) 841-0300. Our website address is [www.vtvtherapeutics.com](http://www.vtvtherapeutics.com). The information contained in, and that can be accessed through, our website is

not incorporated into and does not form a part of this prospectus supplement.

## The Offering

|                                    |   |
|------------------------------------|---|
| Issuer                             | vTv Therapeutics Inc.                         |
| Class A common stock offered by us | 3,636,364 shares of our Class A common stock. |
| Offering price                     | \$1.65 per share of Class A common stock.     |
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Class A common stock outstanding immediately after this offering 23,983,429 shares (assuming the sale of all shares covered by this prospectus supplement).

Use of proceeds We estimate that our net proceeds from this offering will be approximately \$5.5 million after deducting placement agent fees and other estimated offering expenses payable by us (assuming the sale of all shares covered by this prospectus supplement). We intend to use the net proceeds of this offering for general corporate purposes, including manufacturing expenses, clinical trial expenses, research and development expenses, general and administrative expenses, debt service obligations, and other expenses associated with the development of our product candidates. See “Use of Proceeds.”

Risk factors Investing in our securities involves a high degree of risk. See “Risk Factors.”

Nasdaq Capital “VTVT.”

Market symbol

The number of shares of Class A common stock to be outstanding immediately after this offering is based on 20,347,065 shares of our Class A common stock outstanding as of December 31, 2018. Unless otherwise indicated, the number of shares of common stock presented in this prospectus supplement excludes:

- 23,094,221 shares of Class B common stock issued and outstanding which is exchangeable on a one-for-one basis for shares of Class A common stock;
- 4,619,566 shares of Class A common stock issuable under the letter agreement between vTv and MacAndrews & Forbes Group, LLC dated as of December 11, 2018 with a price of \$1.84 per share;
- 1,057,455 shares of Class A common stock issuable upon the exercise of outstanding warrants issued pursuant to certain letter agreements between vTv and MacAndrews & Forbes Group, LLC dated, with exercise prices between \$1.53 and \$5.04 per share;
- 190,586 shares of Class A common stock issuable upon the exercise of outstanding warrants held by Horizon Technology Finance Corporation and Silicon Valley Bank, with exercise prices between \$5.92 and \$6.39 per share;
- 23,333 shares of Class A common stock issuable upon the settlement of outstanding restricted stock units; and
- 1,767,503 shares of Class A common stock issuable under our 2015 equity incentive plan.

## RISK FACTORS

Investing in our securities involves a high degree of risk. You should carefully consider the risks described below and discussed under the section captioned “Risk Factors” contained in our Annual Report on Form 10-K for the year ended December 31, 2018, which is incorporated by reference in this prospectus supplement, and all other information contained in this prospectus supplement and the accompanying prospectus and incorporated by reference in this prospectus supplement and the accompanying prospectus, and in any free writing prospectus that we have authorized for use in connection with this offering, before purchasing shares of our Class A common stock. These risks and uncertainties are not the only ones facing us. Additional risks and uncertainties that we are unaware of, or that we currently deem immaterial, also may become important factors that affect us. If any of such risks or the risks described below or in our SEC filings occur, our business, financial condition or results of operations could be materially and adversely affected. In that case, the trading price of our Class A common stock could decline, and you may lose some or all of your investment.

### Risks Related to This Offering

The share price for our Class A common stock may fluctuate significantly.

The offering price of our Class A common stock in this offering has been determined by negotiation among us and the investors in this offering and may not be representative of the price prevailing in the open market before or after this offering.

The market price of our Class A common stock after this offering may be significantly affected by factors such as variations in our results of operations, changes in government regulations, results and timing of our clinical trials and receipt of data from the trials, changes in general economic conditions, volatility in the financial markets, differences between our actual financial and operating results and those expected by investors and analysts and changes in analysts’ recommendations or projections. These fluctuations may adversely affect the market price of our Class A common stock and cause you to lose all or a portion of your investment.

These and other factors may lower the market price of our Class A common stock, regardless of our actual operating performance. As a result, our Class A common stock may trade at prices significantly below the public offering price.

Furthermore, in recent years, the stock market has experienced significant price and volume fluctuations. This volatility has had a significant impact on the market price of securities issued by many companies, including companies in our industry. The changes frequently appear to occur without regard to the operating performance of the affected companies. Hence, the market price of our Class A common stock could fluctuate based upon factors that have little or nothing to do with us, and these fluctuations could materially reduce the market price of our Class A common stock and materially affect the value of your investment.

Management will have broad discretion as to the use of the proceeds from this offering, and we may not use the proceeds effectively.

Because we have not designated the amount of net proceeds from this offering to be used for any particular purpose, our management will have broad discretion as to the application of the net proceeds from this offering and could use them for purposes other than those contemplated at the time of the offering. Our management may use the net proceeds for corporate purposes that may not improve our financial condition or market value.

You will experience immediate and substantial dilution in the net tangible book deficit per share of the Class A common stock you purchase.

Since the price per share of our Class A common stock being offered is substantially higher than the net tangible book deficit per share of our Class A common stock, you will suffer immediate and substantial dilution in the net tangible book value of the Class A common stock you purchase in this offering. As of December 31, 2018, our net tangible book deficit was approximately \$(20.4 million), or \$(0.47) per share. Based on the offering price of \$1.65 per share of Class A common stock offered hereby, and our net tangible book deficit as of December 31, 2018, if you purchase securities in this offering, you will suffer immediate and substantial dilution of \$1.97 per share with respect to the net tangible book value of the Class A common stock.

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You may experience future dilution as a result of future equity offerings.

In order to raise additional capital, we may in the future offer additional shares of our Class A common stock or other securities convertible into or exchangeable for our Class A common stock at prices that may not be the same as the price per share in this offering. We may sell shares or other securities in any other offering at a price per share that is less than the price per share paid by investors in this offering, and investors purchasing shares or other securities in the future could have rights superior to existing stockholders. The price per share at which we sell additional shares of our Class A common stock, or securities convertible or exchangeable into Class A common stock, in future transactions may be higher or lower than the price per share paid by investors in this offering.

In addition, the sale of shares in this offering and any future sales of a substantial number of shares of our Class A common stock in the public market, or the perception that such sales may occur, could adversely affect the price of our Class A common stock. We cannot predict the effect, if any, that market sales of those shares of Class A common stock, or the perception that those shares may be sold, will have on the market price of our Class A common stock.

We do not expect to pay any dividends in the foreseeable future.

In the past, we have not paid dividends on our Class A common stock. We do not currently intend to pay dividends on our Class A common stock and we intend to retain our future earnings, if any, to fund the development and growth of our business. In addition, the terms of certain existing and any future debt agreements may preclude us from paying dividends. As a result, capital appreciation, if any, of our Class A common stock may be your sole source of gain for the foreseeable future.

Our stock price may decline and we may not be able to maintain compliance with NASDAQ listing requirements.

Our Class A common stock is listed on The NASDAQ Capital Market, which imposes certain minimum continued listing requirements. If compliance with these requirements is not maintained, NASDAQ may make a determination to delist our Class A common stock.

## USE OF PROCEEDS

We estimate that the net proceeds from the sale of the securities offered under this prospectus supplement, after deducting placement agent fees and commissions and estimated offering expenses payable by us, will be approximately \$5.5 million if we sell the maximum amount of Class A common stock offered hereby. However, this is a best efforts offering with no minimum, and we may not sell all or any of the securities; as a result, we may receive significantly less in net proceeds, and the net proceeds received may not be sufficient to continue to operate our business.

We intend to use the net proceeds from this offering for general corporate purposes, including manufacturing expenses, clinical trial expenses, research and development expenses, general and administrative expenses, and other expenses associated with the development of azeliragon and our other product candidates.

Specifically, we intend to use the net proceeds from this offering, together with our existing cash and cash equivalents as follows:

- to fund start-up activities for a Phase 2/3 clinical trial of azeliragon in patients with concurrent Alzheimer's disease and type 2 diabetes;
- to fund activities related to the on-going Phase 2 clinical trial of TTP399, SimpliciT-1, in patients with type 1 diabetes; and
- for working capital and general corporate purposes.

We may also use a portion of the net proceeds from this offering to service the outstanding debt obligations pursuant to our Loan and Security Agreement with Horizon Technology Finance Corporation and Silicon Valley Bank dated October 28, 2016. We do not intend to use the proceeds from this offering for any optional prepayment of any of our indebtedness.

We have not determined the amounts we plan to spend on any of the areas listed above or the timing of these expenditures. As a result, our management will have broad discretion to allocate the net proceeds from this offering.



## PRICE RANGE OF CLASS A COMMON STOCK

Our common stock has been publicly traded on the Nasdaq Capital Market under the symbol “VTVT” since October 29, 2018, prior to which it was traded on the NASDAQ Global Market. On March 15, 2019, the closing price for our common stock as reported on the Nasdaq Capital Market was \$2.30 per share. The following table shows the high and low sales prices per share as reported on the Nasdaq Capital Market for the periods indicated.

|                         | High   | Low    |
|-------------------------|--------|--------|
| Calendar Quarter – 2018 |        |        |
| First Quarter           | \$8.40 | \$3.75 |
| Second Quarter          | 4.24   | 0.65   |
| Third Quarter           | 1.72   | 0.68   |
| Fourth Quarter          | 6.09   | 0.76   |

As of March 18, 2019, there were approximately 21 holders of record of our Class A common stock and 7 holders of record of our Class B common stock. Because almost all of the shares of our Class A common stock are held by brokers, nominees and other institutions on behalf of shareholders, we are unable to estimate the total number of shareholders represented by these record holders.

## Dividend Policy

We currently anticipate that we will retain all available funds for use in the operation and expansion of our business, and do not anticipate paying any cash dividends in the foreseeable future. We have not previously declared or paid any cash dividends on our common stock.

Any future determination as to our dividend policy will be made at the discretion of our Board of Directors and will depend upon many factors, including our financial condition, earnings, legal requirements, restrictions in our debt agreements that limit our access to funds available to pay dividends to stockholders, and other factors our Board of Directors deems relevant. See “Risk Factors—We do not expect to pay any dividends in the foreseeable future.”

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## CAPITALIZATION

The following table sets forth our cash and cash equivalents and capitalization as of December 31, 2018:

on an actual basis; and

on an as adjusted basis, giving effect to the sale of 3,636,364 shares of common stock by us in this offering for aggregate net proceeds of \$5.5 million, after deducting placement agent fees and estimated offering expenses payable by us.

| (dollars in thousands)  | As of December 31,<br>2018 |                |
|---|----------------------------|----------------|
|   | Actual                     | As<br>Adjusted |
| Cash and cash equivalents   | \$1,683                    | \$7,163        |
| Notes payable, including current portion                          | \$15,713                   | \$15,713       |
| Shareholders' deficit:  |                            |                |
| Class A Common Stock, \$0.01 par value; 100,000,000 shares        |                            |                |
| authorized, 20,347,065 outstanding actual; 23,983,429             |                            |                |
| outstanding as adjusted   | 203                        | 239            |
| Class B Common Stock, \$0.01 par value; 100,000,000 shares        |                            |                |
| authorized, 23,094,221 outstanding actual and as adjusted         | 232                        | 232            |
| Additional paid-in capital  | 150,595                    | 156,039        |
| Accumulated deficit   | (233,883)                  | (233,883)      |
| Total stockholders' deficit attributable to vTv Therapeutics Inc. | \$(82,853 )                | \$(77,373 )    |

## DILUTION

The net tangible book deficit of our common stock as of December 31, 2018 was approximately \$(20.4 million), or approximately \$(0.47) per share of common stock based upon a total of 43,441,286 shares outstanding as of December 31, 2018, reflective of the combined outstanding 20,347,065 shares of Class A common stock and 23,094,221 shares of Class B common stock. Net tangible book deficit per share is equal to our total tangible assets, less our total liabilities, exclusive of the redeemable noncontrolling interest, divided by the total number of shares outstanding.

After giving effect to the sale by us of 3,636,364 shares of Class A common stock at the offering price of \$1.65 per share, and after deducting placement agent fees and estimated offering expenses payable by us, our net tangible book deficit as of December 31, 2018 would have been approximately \$(15.0 million), or \$(0.32) per share of common stock. This amount represents an immediate decrease in net tangible book deficit of \$0.15 per share to existing stockholders and an immediate dilution of \$1.97 per share to purchasers in this offering. The following table illustrates the dilution:

|   |          |
|---|----------|
| Public offering price per share   | \$1.65   |
| Net tangible book deficit per share as of December 31, 2018   | \$(0.47) |
| Increase per share attributable to new investors  | 0.15     |
| As adjusted net tangible book deficit per share as of December 31, 2018, after giving effect to this offering | (0.32)   |
| Dilution per share to new investors purchasing shares in this offering  | \$1.97   |

The number of shares common stock expected to be outstanding after this offering included in the table above are based on 47,077,650 shares of common stock outstanding, reflective of the combined outstanding shares of Class A common stock and Class B common stock as of December 31, 2018, and excludes:

- 4,619,566 shares of Class A common stock issuable under the letter agreement between vTv and MacAndrews & Forbes Group, LLC dated as of December 11, 2018 with a price of \$1.84 per share;
- 1,057,455 shares of Class A common stock issuable upon the exercise of outstanding warrants issued pursuant to certain letter agreements between vTv and MacAndrews & Forbes Group, LLC dated, with exercise prices between \$1.53 and \$5.04 per share;
- 190,586 shares of Class A common stock issuable upon the exercise of outstanding warrants held by Horizon Technology Finance Corporation and Silicon Valley Bank, with exercise prices between \$5.92 and \$6.39 per share;
- 23,333 shares of Class A common stock issuable upon the settlement of outstanding restricted stock units; and
- 1,767,503 shares of Class A common stock issuable under our 2015 equity incentive plan.



DESCRIPTION OF THE CLASS A COMMON STOCK WE ARE OFFERING

See “Description of The Capital Stock—Common Stock” on page 12 of the accompanying prospectus for a description of the material terms of our Class A common stock.

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PLAN OF DISTRIBUTION

Pursuant to an engagement agreement, we have engaged H.C. Wainwright & Co., LLC as exclusive placement agent, to solicit offers to purchase the Class A common stock offered by this prospectus supplement. The placement agent is not purchasing any Class A common stock for its own account in this offering, and is not required to arrange the purchase or sale of any additional specific number or dollar amount of the securities. The placement agent may engage sub-agents or selected dealers in connection with this offering.

The placement agent has agreed to use its reasonable best efforts to arrange for the sale of all of the securities in this offering. There is no requirement that any minimum number of shares of Class A common stock or dollar amount of Class A common stock be sold in this offering and there can be no assurance that we will sell all or any of the Class A common stock being offered. We will enter into securities purchase agreements directly with investors who purchase securities in this offering.

We currently anticipate that the closing of this offering will occur on or about March 20, 2019, subject to customary closing conditions. On the closing date, the following will occur:

- we will receive funds in the amount of the aggregate purchase price;
- the placement agent will receive the placement agent fees in accordance with the terms of the engagement agreement; and
- we will deliver the shares of Class A common stock to the investors.

We have agreed to pay the placement agent a placement agent fee equal to 6.5% of the aggregate gross proceeds in this offering. We have also agreed to reimburse H.C. Wainwright & Co., LLC for its expenses in connection with this offering in an amount up to \$50,000 and for its clearing expense in the amount of \$10,000.

The following table shows the placement agent fees per share and total placement agent fees we will pay in connection with the sale of the Class A common stock, assuming the purchase of all of the Class A common stock we are offering.

|                      |           |
|----------------------|-----------|
| Placement agent fees |           |
| Per share            | \$0.10725 |
| Total                | \$390,000 |

We estimate the total expenses of this offering which will be payable by us, excluding the placement agent fees, will be approximately \$0.1 million. After deducting the fees due to the placement agent and our estimated offering expenses, we expect the net proceeds from this offering to be approximately \$5.5 million (assuming the sale of all shares covered by this prospectus supplement).

We have agreed to indemnify the placement agent and certain other persons against certain liabilities relating to or arising out of the placement agent’s activities under the engagement agreement. We have also agreed to contribute to payments that the placement agent may be required to make in respect of such liabilities. H.C. Wainwright & Co., LLC may be deemed to be an underwriter within the meaning of Section 2(a)(11) of the Securities Act of 1933, as amended, and any commissions received by it and any profit realized on the resale of the Class A common stock sold

by it while acting as principal might be deemed to be underwriting discounts or commissions under the Securities Act of 1933, as amended. As an underwriter, H.C. Wainwright & Co., LLC would be required to comply with the requirements of the Securities Act of 1933, as amended, and the Securities Exchange Act of 1934, as amended, including, without limitation, Rule 415(a)(4) under the Securities Act of 1933, as amended, and Rule 10b-5 and Regulation M under the Securities Exchange Act of 1934, as amended. These rules and regulations may limit the timing of purchases and sales of shares of Class A common stock by H.C. Wainwright & Co., LLC acting as principal. Under these rules and regulations, H.C. Wainwright & Co., LLC:

- may not engage in any stabilization activity in connection with our securities; and
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- may not bid for or purchase any of our securities or attempt to induce any person to purchase any of our securities, other than as permitted under the Securities Exchange Act of 1934, as amended, until it has completed its participation in the distribution.

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## LEGAL MATTERS

Certain legal matters in connection with the offered securities will be passed upon for us by Paul, Weiss, Rifkind, Wharton & Garrison LLP, New York, New York.

## EXPERTS

The consolidated financial statements incorporated in this prospectus supplement by reference from our Annual Report on Form 10-K for the year ended December 31, 2018 have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their report thereon, included therein, and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

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## PROSPECTUS

### Class A Common Stock

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This prospectus contains a general description of the Class A common stock that we may offer for sale with an aggregate initial offering price of up to \$250,000,000 from time to time in one or more offerings. Each time we offer and sell Class A common stock, we will provide a supplement to this prospectus that contains specific information about the offering and the amounts, prices and terms of the Class A common stock. Read this prospectus and any supplement carefully before you invest.

Our Class A common stock is listed on The NASDAQ Global Market under the symbol "VTVT". On February 23, 2018, the closing price of our Class A common stock on The NASDAQ Global Market was \$6.85 per share.

We are an "emerging growth company" under applicable Securities and Exchange Commission rules and are subject to reduced public company reporting requirements.

As of February 23, 2018, our public float, which is equal to the aggregate market value of our outstanding voting and non-voting common stock held by non-affiliates, was approximately \$48.5 million, based on 9,693,254 shares of outstanding Class A common stock, of which approximately 7,077,588 shares were held by non-affiliates, and a closing sale price of our Class A common stock of \$6.85 on that date. Pursuant to General Instruction I.B.6 of Form S-3, in no event will we sell securities in a public primary offering with a value exceeding more than one-third of our public float in any 12-month period so long as our public float remains below \$75.0 million.

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Investing in our Class A common stock involves risks that are referenced under the caption "Risk Factors" on page 5 of this prospectus. You should carefully review the risks and uncertainties described under the heading "Risk Factors" contained in the applicable prospectus supplement and any related free writing prospectus, and under similar headings in the other documents that are incorporated by reference in this prospectus.

The Class A Common Stock HAS NOT BEEN APPROVED OR DISAPPROVED BY THE SECURITIES AND EXCHANGE COMMISSION OR ANY STATE SECURITIES COMMISSION NOR HAS THE SECURITIES AND EXCHANGE COMMISSION OR ANY STATE SECURITIES COMMISSION PASSED UPON THE ACCURACY OR ADEQUACY OF THIS PROSPECTUS. ANY REPRESENTATION TO THE CONTRARY IS A CRIMINAL OFFENSE.

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The date of this prospectus is March 19, 2018.

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## ABOUT THIS PROSPECTUS

To understand the terms of the Class A common stock offered by this prospectus, you should carefully read this prospectus and any applicable prospectus supplement. You should also read the documents referred to under the heading “Where You Can Find More Information” for information on vTv Therapeutics Inc. and its financial statements. Certain capitalized terms used in this prospectus are defined elsewhere in this prospectus.

This prospectus is part of a registration statement on Form S-3 that vTv Therapeutics Inc., a Delaware corporation, which is also referred to as “vTv Therapeutics,” “the Company,” “our company,” “we,” “us” and “our,” has filed with the U.S. Securities and Exchange Commission, or the SEC, using a “shelf” registration procedure. Under this procedure, vTv Therapeutics Inc. may offer and sell from time to time shares of its Class A common stock, par value \$0.01 per share, with an aggregate initial offering price of up to \$250,000,000, which we refer to in this prospectus as the “Class A common stock.” Furthermore, in no event will we sell Class A common stock with a value exceeding more than one-third of our “public float” (the market value of our Class A common stock and any other equity securities that we may issue in the future that are held by non-affiliates) in any 12-calendar month period so long as our public float remains below \$75.0 million.

This prospectus provides you with a general description of the Class A common stock we may offer. Each time we offer shares of Class A common stock, we will provide you with a prospectus supplement that will describe the specific amounts, prices and terms of the Class A common stock being offered. The prospectus supplement may also add, update or change information contained or incorporated by reference in this prospectus. If there is any inconsistency between the information in this prospectus and any prospectus supplement, you should rely on the information in the prospectus supplement.

The prospectus supplement may also contain information about any material U.S. Federal income tax considerations relating to the Class A common stock covered by the prospectus supplement.

We may sell Class A common stock to underwriters who will sell the Class A common stock to the public on terms fixed at the time of sale. In addition, the Class A common stock may be sold by us directly or through dealers or agents designated from time to time, which agents may be affiliates of ours. If we, directly or through agents, solicit offers to purchase the Class A common stock, we and our agents reserve the sole right to accept and to reject, in whole or in part, any offer.

The prospectus supplement will also contain, with respect to the Class A common stock being sold, the names of any underwriters, dealers or agents, together with the terms of the offering, the compensation of any underwriters, dealers or agents and the net proceeds to us, as applicable.

Any underwriters, dealers or agents participating in the offering may be deemed “underwriters” within the meaning of the Securities Act of 1933, as amended, which we refer to in this prospectus as the “Securities Act.”

## WHERE YOU CAN FIND MORE INFORMATION

vTv Therapeutics files annual, quarterly and current reports, proxy statements and other information with the SEC. You may obtain such SEC filings from the SEC’s website at <http://www.sec.gov>. You can also read and copy these materials at the SEC’s public reference room at 100 F Street, N.E., Washington, D.C. 20549. You can obtain further information about the operation of the SEC’s public reference room by calling the SEC at 1-800-SEC-0330.

As permitted by SEC rules, this prospectus does not contain all of the information we have included in the registration statement and the accompanying exhibits and schedules we file with the SEC. You may refer to the registration

statement, exhibits and schedules for more information about us and the Class A common stock. The registration statement, exhibits and schedules are available through the SEC's website or at its public reference room.

## INCORPORATION BY REFERENCE

In this prospectus, we “incorporate by reference” certain information that we file with the SEC, which means that we can disclose important information to you by referring you to that information. The information we incorporate by reference is an important part of this prospectus, and later information that we file with the SEC will automatically update and supersede this information. The following documents have been filed by us with the SEC and are incorporated by reference into this prospectus:

• Our Annual Report on Form 10-K for the fiscal year ended December 31, 2017, filed with the SEC on February 27, 2018;

• The description of our Class A common stock set forth in our registration statement filed on Form 8-A pursuant to Section 12 of the Exchange Act with the SEC on July 30, 2015, and any amendment or report filed for the purpose of updating that description.

All documents and reports that we file with the SEC (other than any portion of such filings that are furnished under applicable SEC rules rather than filed) under Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”) from the date of this prospectus until the completion of the offering under this prospectus shall be deemed to be incorporated in this prospectus by reference. The information contained on or accessible through our website (<http://www.vtvtherapeutics.com>) is not incorporated into this prospectus.

You may request a copy of these filings, other than an exhibit to these filings unless we have specifically included or incorporated that exhibit by reference into the filing, from the SEC as described under “Where You Can Find More Information” or, at no cost, by writing or telephoning vTv Therapeutics at the following address:

vTv Therapeutics Inc.  
Attn: Chief Financial Officer  
4170 Mendenhall Oaks Pkwy

High Point, NC 27265

Telephone: (336) 841-0300

You should rely only on the information contained or incorporated by reference in this prospectus, the prospectus supplement, any free writing prospectus that we authorize and any pricing supplement. We have not authorized any person, including any salesman or broker, to provide information other than that provided in this prospectus, any applicable prospectus supplement, any free writing prospectus that we authorize or any pricing supplement. We have not authorized anyone to provide you with different information. We do not take responsibility for, and can provide no assurance as to the reliability of, any information that others may give you. We are not making an offer of the securities in any jurisdiction where the offer is not permitted. You should not assume that the information in this prospectus, any applicable prospectus supplement, any free writing prospectus that we authorize and any pricing supplement or any document incorporated by reference is accurate as of any date other than the date of the applicable document.

Any statement contained in a document incorporated or deemed to be incorporated by reference into this prospectus will be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained in this prospectus, any prospectus supplement, or any other subsequently filed document that is deemed to be incorporated by reference into this prospectus modifies or supersedes the statement. Any statement so modified or superseded will not be deemed, except as so modified or superseded, to constitute a part of this prospectus.

## STATEMENTS REGARDING FORWARD-LOOKING INFORMATION



Certain information included in this prospectus or in other materials we have filed or will file with the SEC (as well as information included in oral statements or other written statements made or to be made by us) includes forward-looking statements that reflect our plans, estimates, assumptions and beliefs. Our actual results could differ materially from those discussed in the forward-looking statements. Factors that could cause or contribute to these

differences include those discussed below and in our Annual Report on Form 10-K for the year ended December 31, 2017 under “Part I—Item 1A, Risk Factors.” Forward-looking statements include information concerning our possible or assumed future results of operations, business strategies and operations, financing plans, potential growth opportunities, potential market opportunities, potential results of our drug development efforts or trials, and the effects of competition. Forward-looking statements include all statements that are not historical facts and can be identified by terms such as “anticipates,” “believes,” “could,” “seeks,” “estimates,” “expects,” “intends,” “may,” “plans,” “potential,” “predicts,” “should,” “will,” “would” or similar expressions and the negatives of those terms. Given these uncertainties, you should not place undue reliance on these forward-looking statements. Also, forward-looking statements represent our management’s plans, estimates, assumptions and beliefs only as of the date made. Except as required by law, we assume no obligation to update these forward-looking statements publicly or to update the reasons actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future.

## THE COMPANY

We are a clinical-stage biopharmaceutical company engaged in the discovery and development of orally administered small molecule drug candidates to fill significant unmet medical needs. We have a powerful pipeline of clinical drug candidates, led by our programs for the treatment of mild Alzheimer’s disease (“AD”) and diabetes. Our drug candidate for the treatment of AD, azeliragon (TTP488), is an orally administered, small molecule antagonist targeting the receptor for advanced glycation endproducts (“RAGE”), for which we have successfully completed the enrollment of both sub-studies in a Phase 3 clinical trial (the “STEADFAST Study”) under a Food and Drug Administration (“FDA”) agreed Special Protocol Assessment (“SPA”). Our diabetes drug candidates include TTP399, an orally administered, liver-selective glucokinase activator (“GKA”), for which we have completed a Phase 2b clinical trial in type 2 diabetes (the “AGATA Study”) in August 2016, and TTP273, an orally administered, non-peptide agonist that targets the glucagon-like peptide-1 receptor (“GLP-1r”), for which we have completed a Phase 2 clinical trial in type 2 diabetes (the “LOGRA Study”) in December 2016. We have also initiated an adaptive Phase 1b/2 study to explore the effects of TTP399 in type 1 diabetics in partnership with JDRF International (“JDRF”). We have two additional programs in various stages of preclinical and clinical development for the treatment of inflammatory disorders.

For a description of our business, financial condition, results of operations and other important information regarding us, see our filings with the SEC incorporated by reference in this prospectus. For instructions on how to find copies of the filings incorporated by reference in this prospectus, see “Where You Can Find More Information.”

Our principal executive office is located at 4170 Mendenhall Oaks Pkwy, High Point, NC 27265, Telephone (336) 841-0300.

## RISK FACTORS

Investing in our securities involves risk. You should carefully consider the specific risks discussed or incorporated by reference in the applicable prospectus supplement, together with all the other information contained in any applicable prospectus supplement or incorporated by reference in this prospectus and the applicable prospectus supplement. You should also consider the risks, uncertainties and assumptions discussed under the caption “Part I—Item 1A, Risk Factors” included in our Annual Report on Form 10-K for the year ended December 31, 2017, which are incorporated by reference in this prospectus, and which may be amended, supplemented or superseded from time to time by other reports we file with the SEC in the future.

## USE OF PROCEEDS

We will use the net proceeds we receive from the sale of the Class A common stock offered by us for general corporate purposes, unless we specify otherwise in the applicable prospectus supplement. General corporate purposes may include additions to working capital, capital expenditures, repayment of debt, the financing of possible acquisitions and investments or stock repurchases.

## DESCRIPTION OF THE CAPITAL STOCK

### Capital Stock

Our authorized capital stock consists of 100,000,000 shares of Class A common stock, par value \$0.01 per share, 100,000,000 shares of Class B common stock, par value \$0.01 per share, and 50,000,000 shares of preferred stock, par value \$0.01 per share. As of February 23, 2018, we have approximately 9,693,254 shares of our Class A common stock outstanding, 23,119,246 shares of our Class B common stock outstanding and no shares of preferred stock outstanding.

### Common Stock

**Voting.** Holders of our Class A common stock and Class B common stock are entitled to one vote for each share held on all matters submitted to stockholders for their vote or approval. The holders of our Class A common stock and Class B common stock vote together as a single class on all matters submitted to stockholders for their vote or approval, except with respect to the amendment of certain provisions of our amended and restated certificate of incorporation that would alter or change the powers, preferences or special rights of the Class B common stock so as to affect them adversely, which amendments must be approved by a majority of the votes entitled to be cast by the holders of the shares affected by the amendment, voting as a separate class, or as otherwise required by applicable law.

As of February 23, 2018, subsidiaries and affiliates of MacAndrews & Forbes Incorporated (collectively “MacAndrews”) hold 23,084,267 shares of our Class B common stock and 2,615,666 shares of our Class A common stock and therefore control approximately 78.3% of the combined voting power of our outstanding common stock. As a result, MacAndrews is able to control our business policies and affairs and any action requiring the general approval of our stockholders, including the adoption of amendments to our certificate of incorporation and bylaws, the approval of mergers or sales of substantially all of our assets and the removal of members of our Board of Directors with or without cause. MacAndrews also has the power to nominate a majority of the members to our Board of Directors under our investor rights agreement. The concentration of ownership and voting power of MacAndrews may also delay, defer or even prevent an acquisition by a third party or other change of control of our company and may make some transactions more difficult or impossible without the support of MacAndrews, even if such events are in the best interests of minority stockholders.

**Dividends.** The holders of Class A common stock are entitled to receive dividends when, as, and if declared by our Board of Directors out of legally available funds. The holders of our Class B common stock do not have any right to receive dividends other than dividends consisting of shares of our Class B common stock paid proportionally with respect to each outstanding share of our Class B common stock.

**Liquidation or Dissolution.** Upon our liquidation or dissolution, the holders of our Class A common stock are entitled to share ratably in those of our assets that are legally available for distribution to stockholders after payment of liabilities and subject to the prior rights of any holders of preferred stock then outstanding. Other than their par value, the holders of our Class B common stock do not have any right to receive a distribution upon a liquidation or dissolution of our company.

**Transferability and Exchange.** Subject to the terms of an exchange agreement and the operating agreement of vTv Therapeutics LLC (“vTv LLC”), our principal operating subsidiary, units of vTv LLC (along with a corresponding number of shares of our Class B common stock) are exchangeable for (i) shares of our Class A common stock or (ii) cash (based on the market price of the shares of Class A common stock), at our option (as the managing member of vTv LLC). Any decision to require an exchange for cash rather than shares of Class A common stock will ultimately

be determined by our entire Board of Directors. Each such exchange will be on a one-for-one equivalent basis, subject to customary conversion rate adjustments for stock splits, stock dividends and reclassifications. Shares of Class B common stock may not be transferred except in connection with an exchange or transfer of units of vTv LLC.

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Upon exchange, each share of our Class B common stock will be cancelled.

#### Preferred Stock

We have been authorized to issue up to 50,000,000 shares of preferred stock. Our board of directors has authorized, subject to limitations prescribed by Delaware law and our amended and restated certificate of incorporation, to determine the terms and conditions of the preferred stock, including whether the shares of preferred stock will be issued in one or more series, the number of shares to be included in each series and the powers, designations, preferences and rights of the shares. Our Board of Directors has also been authorized to designate any qualifications, limitations or restrictions on the shares without any further vote or action by the stockholders. The issuance of preferred stock may have the effect of delaying, deferring or preventing a change in control of our company and may adversely affect the voting and other rights of the holders of our Class A common stock and Class B common stock, which could have an adverse impact on the market price of our Class A common stock. We have no current plan to issue any shares of preferred stock.

#### Corporate Opportunities

Our amended and restated certificate of incorporation provides that, to the fullest extent permitted by law, the doctrine of “corporate opportunity” will not apply to MacAndrews, any of our non-employee directors who are employees, affiliates or consultants of MacAndrews or its affiliates (other than us or our subsidiaries) or any of their respective affiliates in a manner that would prohibit them from investing in competing businesses or doing business with our clients or customers. See “Risk Factors—Risks Relating to this Offering and Ownership of Our Class A Common Stock—MacAndrews has substantial influence over our business, and their interests may differ from our interests or those of our other stockholders” in our Annual Report on Form 10-K for the year ended December 31, 2017, which is incorporated herein by reference.

#### Anti-Takeover Effects of our Certificate of Incorporation and Bylaws

Our amended and restated certificate of incorporation and bylaws contain certain provisions that are intended to enhance the likelihood of continuity and stability in the composition of the Board of Directors and which may have the effect of delaying, deferring or preventing a future takeover or change in control of us unless such takeover or change in control is approved by our Board of Directors.

These provisions include:

Action by Written Consent; Special Meetings of Stockholders. Our amended and restated certificate of incorporation provides that, following the date on which MacAndrews ceases to beneficially own more than 50% of our common stock (the “Triggering Event”), stockholder action can be taken only at an annual or special meeting of stockholders and cannot be taken by written consent in lieu of a meeting. Our amended and restated certificate of incorporation and bylaws also provide that, except as otherwise required by law, special meetings of the stockholders can only be called by the chairman or vice-chairman of the board, the chief executive officer, or pursuant to a resolution adopted by a majority of the Board of Directors or, until the Triggering Event, at the request of holders of 50% or more of our outstanding shares of common stock. Except as described above, stockholders will not be permitted to call a special meeting or to require the Board of Directors to call a special meeting.

Advance Notice Procedures. Our bylaws establish an advance notice procedure for stockholder proposals to be brought before an annual meeting of our stockholders, including proposed nominations of persons for election to the Board of Directors. Stockholders at an annual meeting will only be able to consider proposals or nominations specified in the notice of meeting or brought before the meeting by or at the direction of the Board of Directors or by a



stockholder who was a stockholder of record on the record date for the meeting, who is entitled to vote at the meeting and who has given our Secretary timely written notice, in proper form, of the stockholder's intention to bring that business before the meeting. Although the bylaws do not give the Board of Directors the power to approve or disapprove stockholder nominations of candidates or proposals regarding other business to be conducted at a special or annual meeting, the bylaws may have the effect of precluding the conduct of certain business at a

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meeting if the proper procedures are not followed or may discourage or deter a potential acquirer from conducting a solicitation of proxies to elect its own slate of directors or otherwise attempting to obtain control of us.

**Vacancies and Newly-Created Directorships on the Board of Directors.** Our bylaws provide that the Board of Directors can fill vacancies on the Board of Directors. In addition, the Board of Directors will be permitted to increase the number of directors and fill the vacant positions. These provisions could make it more difficult for shareholders to affect the composition of our Board of Directors.

**Authorized but Unissued Shares.** Our authorized but unissued shares of common stock and preferred stock will be available for future issuance without stockholder approval. These additional shares may be utilized for a variety of corporate purposes, including future public offerings to raise additional capital, corporate acquisitions and employee benefit plans. The existence of authorized but unissued shares of common stock and preferred stock could render more difficult or discourage an attempt to obtain control of a majority of our common stock by means of a proxy contest, tender offer, merger or otherwise.

**Business Combinations with Interested Stockholders.** We have elected in our amended and restated certificate of incorporation not to be subject to Section 203 of the Delaware General Corporation Law, an antitakeover law. In general, Section 203 prohibits a publicly held Delaware corporation from engaging in a business combination, such as a merger, with a person or group owning 15% or more of the corporation's voting stock for a period of three years following the date the person became an interested stockholder, unless (with certain exceptions) the business combination or the transaction in which the person became an interested stockholder is approved in a prescribed manner. Accordingly, we will not be subject to any anti-takeover effects of Section 203. Nevertheless, our amended and restated certificate of incorporation contains provisions that have the same effect as Section 203, except that they provide that MacAndrews and its various affiliates, successors and transferees will not be deemed to be "interested stockholders," regardless of the percentage of our voting stock owned by them, and accordingly will not be subject to such restrictions.

#### Choice of Forum

Our amended and restated certificate of incorporation provides that the Court of Chancery in the State of Delaware will be the sole and exclusive forum for (i) any derivative action or proceeding brought on our behalf, (ii) any action asserting a claim of breach of a fiduciary duty owed to us or our stockholders by our directors, officers or other employees, (iii) any action asserting a claim arising under the Delaware General Corporation Law, our amended and restated certificate of incorporation and amended and restated by-laws or (iv) any action asserting a claim that is governed by the internal affairs doctrine. It is possible that a court could rule that this provision is not applicable or is unenforceable. We may consent in writing to alternative forums. Stockholders will be deemed to have consented to the personal jurisdiction of the state and federal courts located within the State of Delaware and having service of process made on such stockholder's counsel as agent for such stockholder.

#### Directors' Liability; Indemnification of Directors and Officers

Our amended and restated certificate of incorporation limits the liability of our directors to the fullest extent permitted by the Delaware General Corporation Law and provides that we will provide them with customary indemnification. We expect to enter into customary indemnification agreements with each of our executive officers and directors that provide them, in general, with customary indemnification in connection with their service to us or on our behalf.

#### Transfer Agent and Registrar

The transfer agent and registrar for our Class A common stock is American Stock Transfer & Trust Company, LLC.



Securities Exchange

Our shares of Class A common stock are listed on The NASDAQ Global Market under the symbol “VTVT”.

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## PLAN OF DISTRIBUTION

We may offer and sell the Class A common stock in any one or more of the following ways:

- through underwriters, brokers or dealers;
- directly to one or more other purchasers;
- through a block trade in which the broker or dealer engaged to handle the block trade will attempt to sell the securities as agent, but may position and resell a portion of the block as principal to facilitate the transaction;
- through agents on a best-efforts basis; or
- otherwise through a combination of any of the above methods of sale.

In addition, we may enter into option, share lending or other types of transactions that require us to deliver shares of Class A common stock to an underwriter, broker or dealer, who will then resell or transfer the shares of Class A common stock under this prospectus. We may also enter into hedging transactions with respect to our Class A common stock. For example, we may:

- enter into transactions involving short sales of the shares of Class A common stock by underwriters, brokers or dealers;
- sell shares of Class A common stock short and deliver the shares to close out short positions;
- enter into option or other types of transactions that require us to deliver shares of Class A common stock to an underwriter, broker or dealer, who will then resell or transfer the shares of Class A common stock under this prospectus; or
  - loan or pledge the shares of Class A common stock to an underwriter, broker or dealer, who may sell the loaned shares or, in the event of default, sell the pledged shares.

We may enter into derivative transactions with third parties, or sell Class A common stock not covered by this prospectus to third parties in privately negotiated transactions. If the applicable prospectus supplement indicates, in connection with those derivatives, the third parties may sell Class A common stock covered by this prospectus and the applicable prospectus supplement, including in short sale transactions. If so, the third party may use Class A common stock pledged by us, or borrowed from us or others to settle those sales or to close out any related open borrowings of stock, and may use Class A common stock received from us in settlement of those derivatives to close out any related open borrowings of stock. The third party in such sale transactions will be an underwriter and, if not identified in this prospectus, will be identified in the applicable prospectus supplement (or a post-effective amendment). In addition, we may otherwise loan or pledge Class A common stock to a financial institution or other third party that in turn may sell the securities short using this prospectus. Such financial institution or other third party may transfer its economic short position to investors in our Class A common stock or in connection with a concurrent offering of other Class A common stock.

Each time we sell Class A common stock, we will provide a prospectus supplement that will name any underwriter, dealer or agent involved in the offer and sale of the Class A common stock. The prospectus supplement will also set forth the terms of the offering, including:

- the purchase price of the Class A common stock and the proceeds we will receive from the sale of the Class A common stock;
- any underwriting discounts and other items constituting underwriters' compensation;

- any public offering or purchase price and any discounts or commissions allowed or re-allowed or paid to dealers;
- any commissions allowed or paid to agents;
- any securities exchanges on which the securities may be listed;
- the method of distribution of the securities;
- the terms of any agreement, arrangement or understanding entered into with the underwriters, brokers or dealers; and
- any other information we think is important.

If underwriters or dealers are used in the sale, the Class A common stock will be acquired by the underwriters or dealers for their own account. The Class A common stock may be sold from time to time by us in one or more transactions:

- at a fixed price or prices, which may be changed;
- at market prices prevailing at the time of sale;
  - at prices related to such prevailing market prices;
- at varying prices determined at the time of sale; or
- at negotiated prices.

Such sales may be effected:

- in transactions on any national securities exchange or quotation service on which the Class A common stock may be listed or quoted at the time of sale;
- in transactions in the over-the-counter market;
- in block transactions in which the broker or dealer so engaged will attempt to sell the Class A common stock as agent but may position and resell a portion of the block as principal to facilitate the transaction, or in crosses, in which the same broker acts as an agent on both sides of the trade;
- through the writing of options; or
- through other types of transactions.

The Class A common stock may be offered to the public either through underwriting syndicates represented by one or more managing underwriters or directly by one or more of such firms. Unless otherwise set forth in the prospectus supplement, the obligations of underwriters or dealers to purchase the securities offered will be subject to certain conditions precedent and the underwriters or dealers will be obligated to purchase all the offered securities if any are purchased. Any public offering price and any discount or concession allowed or reallocated or paid by underwriters or dealers to other dealers may be changed from time to time.

The Class A common stock may be sold directly by us or through agents designated by us from time to time. Any agent involved in the offer or sale of the Class A common stock in respect of which this prospectus is delivered will be named, and any commissions payable by us to such agent will be set forth in, the applicable

prospectus supplement. Unless otherwise indicated in the applicable prospectus supplement, any such agent will be acting on a best efforts basis for the period of its appointment.

Offers to purchase the Class A common stock offered by this prospectus may be solicited, and sales of the securities may be made, by us directly to institutional investors or others, who may be deemed to be underwriters within the meaning of the Securities Act with respect to any resale of the securities. The terms of any offer made in this manner will be included in the prospectus supplement relating to the offer.

If indicated in the applicable prospectus supplement, underwriters, dealers or agents will be authorized to solicit offers by certain institutional investors to purchase securities from us pursuant to contracts providing for payment and delivery at a future date. Institutional investors with which these contracts may be made include, among others:

- commercial and savings banks;
- insurance companies;
- pension funds;
- investment companies; and
- educational and charitable institutions.

In all cases, these purchasers must be approved by us. Unless otherwise set forth in the applicable prospectus supplement, the obligations of any purchaser under any of these contracts will not be subject to any conditions except that (a) the purchase of the Class A common stock must not at the time of delivery be prohibited under the laws of any jurisdiction to which that purchaser is subject, and (b) if the Class A common stock is also being sold to underwriters, we must have sold to these underwriters the Class A common stock not subject to delayed delivery. Underwriters and other agents will not have any responsibility in respect of the validity or performance of these contracts.

Some of the underwriters, dealers or agents used by us in any offering of Class A common stock under this prospectus may be customers of, engage in transactions with, and perform services for us, or affiliates of ours, in the ordinary course of business. Underwriters, dealers, agents and other persons may be entitled under agreements which may be entered into with us to indemnification against and contribution toward certain civil liabilities, including liabilities under the Securities Act, and to be reimbursed by us for certain expenses.

Any securities initially sold outside the United States may be resold in the United States through underwriters, dealers or otherwise.

Any underwriters to which offered Class A common stock is sold by us for public offering and sale may make a market in such Class A common stock, but those underwriters will not be obligated to do so and may discontinue any market making at any time.

The anticipated date of delivery of the Class A common stock offered by this prospectus will be described in the applicable prospectus supplement relating to the offering.

The maximum compensation we will pay to underwriters in connection with any offering of the Class A common stock will not exceed 8% of the maximum proceeds of such offering.

Pursuant to General Instruction I.B.6 of Form S-3, in no event will we sell Class A common stock in a public primary offering with a value exceeding more than one-third of our public float in any 12-month period so long as our public float remains below \$75.0 million.

To comply with the securities laws of some states, if applicable, the Class A common stock may be sold in these jurisdictions only through registered or licensed brokers or dealers. In addition, in some states the Class A common stock may not be sold unless they have been registered or qualified for sale or an exemption from registration or qualification requirements is available and is complied with.



## LEGAL MATTERS

Certain legal matters in connection with the offered securities will be passed upon for us by Paul, Weiss, Rifkind, Wharton & Garrison LLP, New York, New York.

## EXPERTS

The consolidated financial statements of vTv Therapeutics Inc. appearing in vTv Therapeutics Inc.'s Annual Report (Form 10-K) for the year ended December 31, 2017 have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their report thereon, included therein, and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

3,636,364 Shares of Class A Common Stock

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PROSPECTUS SUPPLEMENT

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H.C. Wainwright & Co.

March 18, 2019

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