

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4921498

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	VTV THERAPEUTICS LLC	04/09/2018
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	HORIZON TECHNOLOGY FINANCE CORPORATION, AS COLLATERAL AGENT	
<b>Street Address:</b>	312 FARMINGTON AVENUE	
<b>City:</b>	FARMINGTON	
<b>State/Country:</b>	CONNECTICUT	
<b>Postal Code:</b>	06032	
<b>PROPERTY NUMBERS Total: 68</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	7361678	
Patent Number:	7384967	
Patent Number:	7582769	
Patent Number:	7714013	
Patent Number:	7723369	
Patent Number:	7727983	
Patent Number:	7737285	
Patent Number:	7790714	
Patent Number:	7884219	
Patent Number:	7897628	
Patent Number:	7901688	
Patent Number:	7906507	
Patent Number:	7964608	
Patent Number:	7981423	
Patent Number:	7981424	
Patent Number:	8063081	
Patent Number:	8318778	
Patent Number:	8329715	
Patent Number:	8362049	
Patent Number:	8372988	

PATENT

Property Type	Number
Patent Number:	8378097
Patent Number:	8383820
Patent Number:	8383644
Patent Number:	8404731
Patent Number:	8431575
Patent Number:	8524708
Patent Number:	8580833
Patent Number:	8586614
Patent Number:	8703766
Patent Number:	8718994
Patent Number:	8741900
Patent Number:	8759535
Patent Number:	8809540
Patent Number:	8853226
Patent Number:	8877192
Patent Number:	8907096
Patent Number:	8927549
Patent Number:	8933222
Patent Number:	8987295
Patent Number:	9034341
Patent Number:	9045461
Patent Number:	9120813
Patent Number:	9162963
Patent Number:	9163022
Patent Number:	9175003
Patent Number:	9198901
Patent Number:	9359313
Patent Number:	9393245
Patent Number:	9447468
Patent Number:	9598375
Patent Number:	9687489
Patent Number:	9707239
Patent Number:	9717710
Patent Number:	9833457
Patent Number:	9855251
Application Number:	14071976
Application Number:	14215873
Application Number:	14799222

Property Type	Number
Application Number:	14840657
Application Number:	14840682
Application Number:	15438111
Application Number:	15584459
Application Number:	15631203
Application Number:	15687824
Application Number:	15800794
Application Number:	62504038
Application Number:	62649161
Application Number:	62649173

#### CORRESPONDENCE DATA

**Fax Number:** (860)676-8655

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 8602849878

**Email:** lucia@horizontechfinance.com

**Correspondent Name:** HORIZON TECHNOLOGY FINANCE

**Address Line 1:** 312 FARMINGTON AVENUE

**Address Line 4:** FARMINGTON, CONNECTICUT 06032

<b>NAME OF SUBMITTER:</b>	ERIC S. DARMOFAL
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<b>SIGNATURE:</b>	/s/ Eric S. Darmofal
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<b>DATE SIGNED:</b>	04/18/2018
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#### Total Attachments: 3

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GRANT OF SECURITY INTEREST  
PATENTS

THIS GRANT OF SECURITY INTEREST, dated as of April 9, 2018, is executed by vTv THERAPEUTICS LLC, a Delaware corporation with an address of 4170 Mendenhall Oaks Pkwy, High Point, NC 27265 ("Debtor"), in favor of HORIZON TECHNOLOGY FINANCE CORPORATION, as Collateral Agent, a Delaware corporation with an address of 312 Farmington Avenue, Farmington, Connecticut 06032 ("Secured Party").

A. Pursuant to a certain Venture Loan and Security Agreement, dated as of October 28, 2016 (as amended from time to time, the "Agreement") by and among Debtor, vTv Therapeutics Inc., Silicon Valley Bank ("SVB") and the Secured Party (collectively with SVB, the "Lenders"), and the Secured Party as Collateral Agent, the Lenders have agreed to extend credit to Debtor upon the terms and subject to the conditions set forth therein;

B. Debtor owns the patents and/or applications for patents, more particularly described on Schedules 1-A and 1-B annexed hereto as part hereof (collectively, the "Patents");

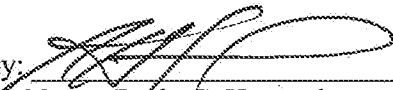
C. Pursuant to the Agreement, Debtor has granted to Secured Party and Lenders a security interest in all right, title and interest of Debtor in and to the Patents, together with any reissue, continuation, continuation-in-part or extension thereof, and all proceeds thereof, including any and all causes of action which may exist by reason of infringement thereof for the full term of the Patents (the "Collateral"), to secure the prompt payment, performance and observance of the Obligations (as defined in the Agreement);

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Debtor does hereby further grant to Secured Party and Lenders a security interest in the Collateral to secure the prompt payment, performance and observance of the Obligations.

Debtor does hereby further acknowledge and affirm that the rights and remedies of Secured Party and Lenders with respect to the security interest in the Collateral granted hereby are more fully set forth in the Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

IN WITNESS WHEREOF, Debtor has caused this instrument to be executed as of the day and year first written above.

vTv THERAPEUTICS LLC

By:   
Name: Rudy C. Howard  
Title: Chief Financial Officer

SCHEDULE 1-A TO GRANT OF SECURITY INTEREST  
PATENTS

Patent No.	Issue Date
7,361,678	22-Apr-2008
7,384,967	10-Jun-2008
7,582,769	1-Sep-2009
7,714,013	11-May-2010
7,723,369	25-May-2010
7,727,983	1-Jun-2010
7,737,285	15-Jun-2010
7,790,714	7-Sep-2010
7,884,219	8-Feb-2011
7,897,628	1-Mar-2011
7,901,688	8-Mar-2011
7,906,507	15-Mar-2011
7,964,608	21-Jun-2011
7,981,423	19-Jul-2011
7,981,424	19-Jul-2011
8,063,081	22-Nov-2011
8,318,778	27-Nov-2012
8,329,715	11-Dec-2012
8,362,049	29-Jan-2013
8,372,988	12-Feb-2013
8,378,097	19-Feb-2013
8,383,820	26-Feb-2013
8,383,644	26-Feb-2013
8,404,731	26-Mar-2013
8,431,575	30-Apr-2013
8,524,708	3-Sep-2013
8,580,833	12-Nov-2013
8,586,614	19-Nov-2013
8,703,766	22-Apr-2014
8,718,994	6-May-2014
8,741,900	3-Jun-2014
8,759,535	24-Jun-2014
8,809,540	19-Aug-2014
8,853,226	7-Oct-2014
8,877,192	4-Nov-2014
8,907,096	9-Dec-2014
8,927,549	6-Jan-2015
8,933,222	13-Jan-2015
8,987,295	24-Mar-2015
9,034,341	19-May-2015

9,045,461	2-Jun-2015
9,120,813	1-Sep-2015
RE45,670	15-Sep-2015
9,162,963	20-Oct-2015
9,163,022	20-Oct-2015
9,175,003	3-Nov-2015
9,198,901	1-Dec-2015
9,359,313	7-Jun-2016
9,393,245	19-Jul-2016
9,447,468	20-Sep-2016
9,598,375	21-Mar-2017
9,687,489	27-Jun-2017
9,707,239	18-Jul-2017
9,717,710	1-Aug-2017
9,833,457	5-Dec-2017
9,855,251	2-Jan-2018

SCHEDULE 1-B TO GRANT OF SECURITY INTEREST

PATENT APPLICATIONS

Application No.	Filing Date
14/071,976	5-Nov-2013
14/215,873	17-Mar-2014
14/799,222	14-Jul-2015
14/840,657	31-Aug-2015
14/840,682	31-Aug-2015
15/438,111	21-Feb-2017
15/584,459	2-May-2017
15/631,203	23-Jun-2017
15/687,824	28-Aug-2017
15/800,794	1-Nov-2017
62/504,038	10-May-2017
62/649,161	28-Mar-2018
62/649,173	28-Mar-2018