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

**SCHEDULE 13G/A**

**UNDER THE SECURITIES EXCHANGE ACT OF 1934  
(Amendment No. 2)\***

**VistaGen Therapeutics, Inc.**  
(Name of Issuer)

**Common Stock, \$0.001 par value**  
(Title of Class of Securities)

**92840H202**  
(CUSIP Number)

**April 6, 2022**  
(Date of Event Which Requires Filing of This Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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1.	Name of reporting persons Venrock Healthcare Capital Partners II, L.P.	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> <sup>1</sup> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 20,697,286 <sup>2</sup>
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 20,697,286 <sup>2</sup>
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 20,697,286 <sup>2</sup>	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="checkbox"/>	
11.	Percent of Class Represented by Amount in Row (9) 10.0% <sup>3</sup>	
12.	Type of Reporting Person (See Instructions) PN	

1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G/A.

2 Consists of (i) 4,949,368 shares of common stock held by Venrock Healthcare Capital Partners II, L.P., (ii) 2,005,785 shares of common stock held by VHCP Co-Investment Holdings II, LLC, (iii) 1,617,270 shares of common stock held by Venrock Healthcare Capital Partners III, L.P., (iv) 161,820 shares of common stock held by VHCP Co-Investment Holdings III, LLC and (v) 11,963,043 shares of common stock held by Venrock Healthcare Capital Partners EG, L.P.

3 This percentage is calculated based upon 206,640,955 shares of the Issuer's common stock outstanding as of June 22, 2022, as reported in the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on June 23, 2022.

1.	Name of reporting persons VHCP Co-Investment Holdings II, LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> <sup>1</sup> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization Delaware	
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	8.	Shared Dispositive Power 20,697,286 <sup>2</sup>
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12.	Type of Reporting Person (See Instructions) OO	

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G/A.
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- 3 This percentage is calculated based upon 206,640,955 shares of the Issuer's common stock outstanding as of June 22, 2022, as reported in the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on June 23, 2022.

1.	Name of reporting persons Venrock Healthcare Capital Partners III, L.P.	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> <sup>1</sup> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 20,697,286 <sup>2</sup>
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 20,697,286 <sup>2</sup>
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 20,697,286 <sup>2</sup>	
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11.	Percent of Class Represented by Amount in Row (9) 10.0% <sup>3</sup>	
12.	Type of Reporting Person (See Instructions) PN	

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G/A.
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- 3 This percentage is calculated based upon 206,640,955 shares of the Issuer's common stock outstanding as of June 22, 2022, as reported in the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on June 23, 2022.

1.	Name of reporting persons VHCP Co-Investment Holdings III, LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> <sup>1</sup> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
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11.	Percent of Class Represented by Amount in Row (9) 10.0% <sup>3</sup>	
12.	Type of Reporting Person (See Instructions) OO	

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G/A.
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1.	Name of reporting persons Venrock Healthcare Capital Partners EG, L.P.	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> <sup>1</sup> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
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12.	Type of Reporting Person (See Instructions) PN	

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- 3 This percentage is calculated based upon 206,640,955 shares of the Issuer's common stock outstanding as of June 22, 2022, as reported in the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on June 23, 2022.

1.	Name of reporting persons VHCP Management II, LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> <sup>1</sup> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
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12.	Type of Reporting Person (See Instructions) OO	

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G/A.
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1.	Name of reporting persons VHCP Management III, LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> <sup>1</sup> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization Delaware	
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1.	Name of reporting persons VHCP Management EG, LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> <sup>1</sup> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
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- 3 This percentage is calculated based upon 206,640,955 shares of the Issuer's common stock outstanding as of June 22, 2022, as reported in the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on June 23, 2022.

1.	Name of Reporting Persons Shah, Nimish	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> <sup>1</sup> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization United States	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 20,697,286 <sup>2</sup>
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 20,697,286 <sup>2</sup>
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11.	Percent of Class Represented by Amount in Row (9) 10.0% <sup>3</sup>	
12.	Type of Reporting Person (See Instructions) IN	

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3 This percentage is calculated based upon 206,640,955 shares of the Issuer's common stock outstanding as of June 22, 2022, as reported in the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on June 23, 2022.

1.	Name of Reporting Persons Koh, Bong	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> <sup>1</sup> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
4.	Citizenship or Place of Organization United States	
Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 20,697,286 <sup>2</sup>
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 20,697,286 <sup>2</sup>
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 20,697,286 <sup>2</sup>	
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12.	Type of Reporting Person (See Instructions) IN	

1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G/A.

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Introductory Note: This Schedule 13G/A is filed on behalf of Venrock Healthcare Capital Partners II, L.P., a limited partnership organized under the laws of the State of Delaware (“VHCP II LP”), VHCP Co-Investment Holdings II, LLC, a limited liability company organized under the laws of the State of Delaware (“VHCP Co-Investment II”), Venrock Healthcare Capital Partners III, L.P., a limited partnership organized under the laws of the State of Delaware (“VHCP III LP”), VHCP Co-Investment Holdings III, LLC, a limited liability company organized under the laws of the State of Delaware (“VHCP Co-Investment III”), Venrock Healthcare Capital Partners EG, L.P., a limited partnership organized under the laws of the State of Delaware (“VHCP EG”), VHCP Management II, LLC, a limited liability company organized under the laws of the State of Delaware (“VHCP Management II”), VHCP Management III, LLC, a limited liability company organized under the laws of the State of Delaware (“VHCP Management III”), VHCP Management EG, LLC, a limited liability company organized under the laws of the State of Delaware (“VHCP Management EG” and collectively with VHCP II LP, VHCP Co-Investment II, VHCP III LP, VHCP Co-Investment III, VHCP EG, VHCP Management II and VHCP Management III, the “Venrock Entities”), Nimish Shah (“Shah”) and Bong Koh (“Koh”) in respect of Common Stock of VistaGen Therapeutics, Inc.

**Item 1.**

## (a) Name of Issuer

VistaGen Therapeutics, Inc.

## (b) Address of Issuer’s Principal Executive Offices

343 Allerton Avenue  
South San Francisco, CA 94090

**Item 2.**

## (a) Name of Person Filing

Venrock Healthcare Capital Partners II, L.P.  
VHCP Co-Investment Holdings II, LLC  
Venrock Healthcare Capital Partners III, L.P.  
VHCP Co-Investment Holdings III, LLC  
Venrock Healthcare Capital Partners EG, L.P.  
VHCP Management II, LLC  
VHCP Management III, LLC  
VHCP Management EG, LLC  
Nimish Shah  
Bong Koh

## (b) Address of Principal Business Office or, if none, Residence

New York Office:

7 Bryant Park  
23rd Floor  
New York, NY 10018

Palo Alto Office:

3340 Hillview Avenue  
Palo Alto, CA 94304

## (c) Citizenship

All of the Venrock Entities were organized in Delaware. The individuals are both United States citizens.

## (d) Title of Class of Securities

Common Stock, par value \$0.001 per share

## (e) CUSIP Number

92840H202

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**Item 3. If this statement is filed pursuant to §§240.13d-1(b), or 240.13d-2(b) or (c), check whether the person filing is a:**

Not applicable

**Item 4. Ownership**

## (a) Amount Beneficially Owned as of July 8, 2022:

Venrock Healthcare Capital Partners II, L.P.	20,697,286(1)
VHCP Co-Investment Holdings II, LLC	20,697,286(1)
Venrock Healthcare Capital Partners III, L.P.	20,697,286(1)
VHCP Co-Investment Holdings III, LLC	20,697,286(1)
Venrock Healthcare Capital Partners EG, L.P.	20,697,286(1)
VHCP Management II, LLC	20,697,286(1)
VHCP Management III, LLC	20,697,286(1)
VHCP Management EG, LLC	20,697,286(1)
Nimish Shah	20,697,286(1)
Bong Koh	20,697,286(1)

## (b) Percent of Class as of July 8, 2022:

Venrock Healthcare Capital Partners II, L.P.	10.0%(2)
VHCP Co-Investment Holdings II, LLC	10.0%(2)
Venrock Healthcare Capital Partners III, L.P.	10.0%(2)
VHCP Co-Investment Holdings III, LLC	10.0%(2)
Venrock Healthcare Capital Partners EG, L.P.	10.0%(2)
VHCP Management II, LLC	10.0%(2)
VHCP Management III, LLC	10.0%(2)
VHCP Management EG, LLC	10.0%(2)
Nimish Shah	10.0%(2)
Bong Koh	10.0%(2)

## (c) Number of shares as to which the person has, as of July 8, 2022:

## (i) Sole power to vote or to direct the vote

Venrock Healthcare Capital Partners II, L.P.	0
VHCP Co-Investment Holdings II, LLC	0
Venrock Healthcare Capital Partners III, L.P.	0
VHCP Co-Investment Holdings III, LLC	0
Venrock Healthcare Capital Partners EG, L.P.	0
VHCP Management II, LLC	0
VHCP Management III, LLC	0
VHCP Management EG, LLC	0
Nimish Shah	0
Bong Koh	0

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## (ii) Shared power to vote or to direct the vote

Venrock Healthcare Capital Partners II, L.P.	20,697,286(1)
VHCP Co-Investment Holdings II, LLC	20,697,286(1)
Venrock Healthcare Capital Partners III, L.P.	20,697,286(1)
VHCP Co-Investment Holdings III, LLC	20,697,286(1)
Venrock Healthcare Capital Partners EG, L.P.	20,697,286(1)
VHCP Management II, LLC	20,697,286(1)
VHCP Management III, LLC	20,697,286(1)
VHCP Management EG, LLC	20,697,286(1)
Nimish Shah	20,697,286(1)
Bong Koh	20,697,286(1)

## (iii) Sole power to dispose or to direct the disposition of

Venrock Healthcare Capital Partners II, L.P.	0
VHCP Co-Investment Holdings II, LLC	0
Venrock Healthcare Capital Partners III, L.P.	0
VHCP Co-Investment Holdings III, LLC	0
Venrock Healthcare Capital Partners EG, L.P.	0
VHCP Management II, LLC	0
VHCP Management III, LLC	0
VHCP Management EG, LLC	0
Nimish Shah	0
Bong Koh	0

## (iv) Shared power to dispose or to direct the disposition of

Venrock Healthcare Capital Partners II, L.P.	20,697,286(1)
VHCP Co-Investment Holdings II, LLC	20,697,286(1)
Venrock Healthcare Capital Partners III, L.P.	20,697,286(1)
VHCP Co-Investment Holdings III, LLC	20,697,286(1)
Venrock Healthcare Capital Partners EG, L.P.	20,697,286(1)
VHCP Management II, LLC	20,697,286(1)
VHCP Management III, LLC	20,697,286(1)
VHCP Management EG, LLC	20,697,286(1)
Nimish Shah	20,697,286(1)
Bong Koh	20,697,286(1)

(1) Consists of (i) 4,949,368 shares of common stock held by Venrock Healthcare Capital Partners II, L.P., (ii) 2,005,785 shares of common stock held by VHCP Co-Investment Holdings II, LLC, (iii) 1,617,270 shares of common stock held by Venrock Healthcare Capital Partners III, L.P., (iv) 161,820 shares of common stock held by VHCP Co-Investment Holdings III, LLC and (v) 11,963,043 shares of common stock held by Venrock Healthcare Capital Partners EG, L.P. VHCP Management II, LLC is the general partner of Venrock Healthcare Capital Partners II, L.P. and the manager of VHCP Co-Investment Holdings II, LLC. VHCP Management III, LLC is the general partner of Venrock Healthcare Capital Partners III, L.P. and the manager of VHCP Co-Investment Holdings III, LLC. VHCP Management EG, LLC is the general partner of Venrock Healthcare Capital Partners EG, L.P. Messrs. Shah and Koh are the voting members of VHCP Management II, LLC, VHCP Management III, LLC and VHCP Management EG, LLC.

(2) This percentage is calculated based upon 206,640,955 shares of the Issuer's common stock outstanding as of June 22, 2022, as reported in the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on June 23, 2022.

**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

**Item 6. Ownership of More than Five Percent on Behalf of Another Person**

Not Applicable

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person.**

Not Applicable

**Item 8. Identification and Classification of Members of the Group**

Not Applicable

**Item 9. Notice of Dissolution of a Group**

Not Applicable

**Item 10. Certification**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

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**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: July 8, 2022

**Venrock Healthcare Capital Partners II, L.P.**

By: VHCP Management II, LLC  
Its: General Partner

By: /s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**Venrock Healthcare Capital Partners III, L.P.**

By: VHCP Management III, LLC  
Its: General Partner

By: /s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**VHCP Co-Investment Holdings II, LLC**

By: VHCP Management II, LLC  
Its: Manager

By: /s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**VHCP Co-Investment Holdings III, LLC**

By: VHCP Management III, LLC  
Its: Manager

By: /s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**VHCP Management II, LLC**

By: /s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**VHCP Management III, LLC**

By: /s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**Venrock Healthcare Capital Partners EG, L.P.**

By: VHCP Management EG, LLC  
Its: General Partner

/s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**VHCP Management EG, LLC**

/s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**Bong Koh**

/s/ David L. Stepp  
David L. Stepp, Attorney-in-fact

**Nimish Shah**

/s/ David L. Stepp  
David L. Stepp, Attorney-in-fact

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**EXHIBITS**

- A: Joint Filing Agreement
  - B: Power of Attorney for Nimish Shah (incorporated by reference to Exhibit B to Schedule 13G filed February 16, 2021)
  - C: Power of Attorney for Bong Koh (incorporated by reference to Exhibit C to Schedule 13G filed February 16, 2021)
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**EXHIBIT A**

**JOINT FILING AGREEMENT**

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the undersigned agree to the joint filing on behalf of each of them of a statement on Schedule 13G (including amendments thereto) with respect to the Common Stock of VistaGen Therapeutics, Inc. and further agree that this agreement be included as an exhibit to such filing. Each party to the agreement expressly authorizes each other party to file on its behalf any and all amendments to such statement. Each party to this agreement agrees that this joint filing agreement may be signed in counterparts.

In evidence whereof, the undersigned have caused this Agreement to be executed on their behalf this 8<sup>th</sup> day of July, 2022.

**Venrock Healthcare Capital Partners II, L.P.**

By: VHCP Management II, LLC  
Its: General Partner

By: /s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**VHCP Co-Investment Holdings II, LLC**

By: VHCP Management II, LLC  
Its: Manager

By: /s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**VHCP Management II, LLC**

By: /s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**Venrock Healthcare Capital Partners EG, L.P.**

By: VHCP Management EG, LLC  
Its: General Partner

/s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**Bong Koh**

/s/ David L. Stepp  
David L. Stepp, Attorney-in-fact

**Nimish Shah**

/s/ David L. Stepp  
David L. Stepp, Attorney-in-fact

**Venrock Healthcare Capital Partners III, L.P.**

By: VHCP Management III, LLC  
Its: General Partner

By: /s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**VHCP Co-Investment Holdings III, LLC**

By: VHCP Management III, LLC  
Its: Manager

By: /s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**VHCP Management III, LLC**

By: /s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

**VHCP Management EG, LLC**

/s/ David L. Stepp  
Name: David L. Stepp  
Its: Authorized Signatory

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