## UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

## **SCHEDULE 13G**

Under the Securities Exchange Act of 1934 (Amendment No. )\*

## **Catalyst Biosciences, Inc.**

(Name of Issuer)

Common Stock, \$0.001 par value

(Title of Class of Securities)

#### 14888D109

(CUSIP Number)

January 19, 2018

(Date of Event Which Requires Filing of this Statement)

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

- o Rule 13d-1(b)
- x Rule 13d-1(c)
- o 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).

CUSIP No. 1	4888D	109		Page 2 of 13	
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) (b)	x(1) 0			
3.	SEC U	Jse Onl	ly .		
4. Citizenship or Place of Organization Delaware					
Number of Shares Beneficially		5.	Sole Voting Power 0		
Owned by Each Reporting Person With:		6.	Shared Voting Power 340,676(2)		

- 7. Sole Dispositive Power 0
- Shared Dispositive Power 340,676(2)
- 9. Aggregate Amount Beneficially Owned by Each Reporting Person 340,676(2)
- 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o
- Percent of Class Represented by Amount in Row (9) 5.4%(3)
- 12. Type of Reporting Person (See Instructions) PN
- (1) Venrock Healthcare Capital Partners II, L.P. ("VHCP II"), VHCP Co-Investment Holdings II, LLC ("VHCP Co II"), VHCP Management II, LLC, Bong Koh and Nimish Shah are members of a group for the purposes of this Schedule 13G.
- (2) Consists of (i) 242,404 shares of common stock held by VHCP II and (ii) 98,272 shares of common stock held by VHCP Co II.
- (3) This percentage is calculated based upon 6,366,604 shares of common stock outstanding as of January 19, 2018, as set forth in Issuer's Registration Statement on Form S-3 filed with the Securities and Exchange Commission on January 22, 2018.

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1.			rting Persons estment Holdings II, LLC	
2.	Check	he App	ropriate Box if a Member of a Group (See Instructions)	
	(a)	x(1)		
	(b)	0		
3.	SEC U	se Only		
4.	4. Citizenship or Place of Organization Delaware			
		5.	Sole Voting Power 0	
Number of Shares Beneficially Owned by Each Reporting Person With:		6.	Shared Voting Power 340,676(2)	
		7.	Sole Dispositive Power 0	
		8.	Shared Dispositive Power 340,676(2)	
9.	Aggreg 340,676		ount Beneficially Owned by Each Reporting Person	

11. Percent of Class Represented by Amount in Row (9) 5.4%(3)

12. Type of Reporting Person (See Instructions) OO

- (1) Venrock Healthcare Capital Partners II, L.P. ("VHCP II"), VHCP Co-Investment Holdings II, LLC ("VHCP Co II"), VHCP Management II, LLC, Bong Koh and Nimish Shah are members of a group for the purposes of this Schedule 13G.
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1.			ting Persons ment II, LLC
2.	Check	the Appi	ropriate Box if a Member of a Group (See Instructions)
	(a)	x(1)	
	(b)	0	
3.	SEC U	se Only	
4. Citizenship or Place of Organization Delaware			Place of Organization
		5.	Sole Voting Power 0
Number of Shares Beneficially		6.	Shared Voting Power 340,676(2)
Owned by Each Reporting Person With:		7.	Sole Dispositive Power 0
		8.	Shared Dispositive Power 340,676(2)
9.	Aggreg 340,670		ount Beneficially Owned by Each Reporting Person
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o		
11.	. Percent of Class Represented by Amount in Row (9) 5.4%(3)		
12.	Type of OO	f Report	ing Person (See Instructions)

<sup>(1)</sup> Venrock Healthcare Capital Partners II, L.P. ("VHCP II"), VHCP Co-Investment Holdings II, LLC ("VHCP Co II"), VHCP Management II, LLC, Bong Koh and Nimish Shah are members of a group for the purposes of this Schedule 13G.

(2) Consists of (i) 242,404 shares of common stock held by VHCP II and (ii) 98,272 shares of common stock held by VHCP Co II.

(3) This percentage is calculated based upon 6,366,604 shares of common stock outstanding as of January 19, 2018, as set forth in Issuer's Registration Statement on Form S-3 filed with the Securities and Exchange Commission on January 22, 2018.

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1.	Name of Reporting Persons Koh, Bong					
2.	Check tl	he App	propriate Box if a Member of a Group (See Instructions)			
	(a)	x(1)				
	(b)	0				
3.	SEC Us	e Only	,			
4.		Citizenship or Place of Organization United States				
		5.	Sole Voting Power 0			
Number of Shares Beneficially		6.	Shared Voting Power 340,676(2)			
Owned by Each Reporting Person With:		7.	Sole Dispositive Power 0			
		8.	Shared Dispositive Power 340,676(2)			
9.	Aggrega 340,676		nount Beneficially Owned by Each Reporting Person			
10.	Check if	f the A	ggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o			
11.	Percent of Class Represented by Amount in Row (9) 5.4%(3)					
12.	Type of IN	Repor	ting Person (See Instructions)			

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

(2) Consists of (i) 242,404 shares of common stock held by VHCP II and (ii) 98,272 shares of common stock held by VHCP Co II.

(3) This percentage is calculated based upon 6,366,604 shares of common stock outstanding as of January 19, 2018, as set forth in Issuer's Registration Statement on Form S-3 filed with the Securities and Exchange Commission on January 22, 2018.

2.	Check	the App	propriate Box if a Member of a Group (See Instructions)
	(a)	x(1)	
	(b)	0	
3.	SEC U	se Only	
4.		nship or I States	Place of Organization
		5.	Sole Voting Power 0
Number of Shares Beneficially		6.	Shared Voting Power 340,676(2)
Owned by Each Reporting Person With:		7.	Sole Dispositive Power 0
		8.	Shared Dispositive Power 340,676(2)
9.	Aggreg 340,67		ount Beneficially Owned by Each Reporting Person
10.	Check	if the A	ggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o
11.	Percen 5.4%(3		ss Represented by Amount in Row (9)
12.	Type o IN	of Report	ting Person (See Instructions)

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

(2) Consists of (i) 242,404 shares of common stock held by VHCP II and (ii) 98,272 shares of common stock held by VHCP Co II.

(3) This percentage is calculated based upon 6,366,604 shares of common stock outstanding as of January 19, 2018, as set forth in Issuer's Registration Statement on Form S-3 filed with the Securities and Exchange Commission on January 22, 2018.

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**Introductory Note:** This Schedule 13G 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"), VHCP Co-Investment Holdings II, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Co II"), VHCP Management II, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP II"), VHCP Co-Investment Holdings II, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Co II"), VHCP Management II, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Management II" and collectively with VHCP II and VHCP Co II, the "Venrock Entities"), Bong Koh ("Koh") and Nimish Shah ("Shah") in respect of shares of common stock of Catalyst Biosciences, Inc.

#### Item 1.

(a) Name of Issuer

Catalyst Biosciences, Inc.

(b) Address of Issuer's Principal Executive Offices

260 Littlefield Avenue

## Item 2.

(	a)	Name of Person Filing					
		Venrock Healthcare Capital Partners II, L.P. VHCP Co-Investment Holdings II, LLC VHCP Management II, LLC Bong Koh Nimish Shah					
(	b)	Address of Principal Business Office of	; if none, Residence				
New	York O	ffice:	Palo Alto Office:	Boston Office:			
22nd	Fifth Av Floor York, N	enue VY 10036	3340 Hillview Avenue Palo Alto, CA 94304	34 Farnsworth Street 3rd Floor Boston, MA 02210			
(	(c)	Citizenship					
		Each of the Venrock Entities was organ	ized in Delaware. Koh and Shah are both United State	es citizens.			
(	(d)	Title of Class of Securities					
		Common Stock, \$0.001 par value per share					
(	(e) CUSIP Number						
		14888D109					
Item	3.	If this statement is filed pursuant to §§	240.13d-1(b), or 240.13d-2(b) or (c), check whethe	r the person filing is a:			
	]	Not applicable					

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## Item 4. Ownership

(a) Amount Beneficially Owned as of January 19, 2018:

Venrock Healthcare Capital Partners II, L.P.	340,676(1)
VHCP Co-Investment Holdings II, LLC	340,676(1)
VHCP Management II, LLC	340,676(1)
Bong Koh	340,676(1)
Nimish Shah	340,676(1)

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## (b) Percent of Class as of January 19, 2018:

Venrock Healthcare Capital Partners II, L.P.	5.4%(2)
VHCP Co-Investment Holdings II, LLC	5.4%(2)
VHCP Management II, LLC	5.4%(2)
Bong Koh	5.4%(2)
Nimish Shah	5.4%(2)

- (c) Number of shares as to which the person has, as of January 19, 2018:
- (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
VHCP Management II, LLC	0
Bong Koh	0
Nimish Shah	0

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

Venrock Healthcare Capital Partners II, L.P.	340,676(1)
VHCP Co-Investment Holdings II, LLC	340,676(1)
VHCP Management II, LLC	340,676(1)
Bong Koh	340,676(1)

Nimish Shah	340,676(1)
Sole power to dispose or to direct the disposition of	
Venrock Healthcare Capital Partners II I P	0

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

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

Venrock Healthcare Capital Partners II, L.P.	340,676(1)
VHCP Co-Investment Holdings II, LLC	340,676(1)
VHCP Management II, LLC	340,676(1)
Bong Koh	340,676(1)
Nimish Shah	340,676(1)

- (1) These shares are owned directly as follows: (i) 242,404 shares of common stock held by VHCP II and (ii) 98,272 shares of common stock held by VHCP Co II. VHCP Management II is the general partner of VHCP II and the manager of VHCP Co II. Messrs. Koh and Shah are the managing members of VHCP Management II.
- (2) This percentage is calculated based upon 6,366,604 shares of common stock outstanding as of January 19, 2018, as set forth in Issuer's Registration Statement on Form S-3 filed with the Securities and Exchange Commission on January 22, 2018.

## 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 o.

#### 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

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#### 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.

#### 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: January 29, 2018

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

# By: VHCP Management II, LLC, its General Partner

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

By: VHCP Management II, LLC, its Manager

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

#### VHCP Management II, LLC

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

/s/ David L. Stepp, as attorney-in-fact Bong Koh

/s/ David L. Stepp, as attorney-in-fact Nimish Shah

## EXHIBITS

- A: Joint Filing Agreement
- B: Power of Attorney for Bong Koh
- C: Power of Attorney for Nimish Shah

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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 Catalyst Biosciences, 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 29<sup>th</sup> day of January, 2018.

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

By: VHCP Management II, LLC, its General Partner

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

#### **VHCP Management II, LLC**

By: /s/ David L. Stepp Name: David L. Stepp

Title: Authorized Signatory

/s/ David L. Stepp, as attorney-in-fact Bong Koh

/s/ David L. Stepp, as attorney-in-fact Nimish Shah

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## EXHIBIT B

## POWER OF ATTORNEY FOR BONG KOH

**KNOW ALL BY THESE PRESENTS**, that the undersigned hereby constitutes and appoints each of Lisa Harris, Sherman G. Souther, Jr. and David L. Stepp, signing individually, the undersigned's true and lawful attorney-in fact and agent to:

#### By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

By:

By:

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

its Manager

Name:

Title:

/s/ David L. Stepp

VHCP Management II, LLC,

David L. Stepp

Authorized Signatory

- (i) prepare, execute and file, for and on behalf of the undersigned, any and all documents and filings that are required or advisable to be made with the United States Securities and Exchange Commission, any stock exchange or similar authority, under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and the rules and regulations promulgated thereunder, including without limitation (a) any Joint Filing Agreement under Rule 13d-1(k) of the Exchange Act (or any successor provision thereunder), Schedule 13D and Schedule 13G (or any successor schedules or forms adopted under the Exchange Act) and any amendments thereto in accordance with Section 13 of the Exchange Act and the rules thereunder, and (b) Forms 3, 4 and 5 and any amendments thereto in accordance with Section 16(a) of the Exchange Act and the rules thereunder; and
- (ii) take any other action of any nature whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-infact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, is not assuming, nor is Venrock assuming, any of the undersigned's responsibilities to comply with the Exchange Act, including without limitation Sections 13 and 16 of the Exchange Act.

This Power of Attorney shall remain in full force and effect until the earliest to occur of (a) the undersigned is no longer required to file any form or document with respect to the undersigned's holdings of and transactions in securities issued by a company, (b) revocation by the undersigned in a signed writing delivered to the foregoing attorney-in-fact or (c) until such attorney-in-fact shall no longer be employed by Venrock.

**IN WITNESS WHEREOF**, the undersigned has cause this Power of Attorney to be executed as of this 26th day of January, 2015.

/s/ Bong Koh Bong Koh

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## EXHIBIT C

## POWER OF ATTORNEY FOR NIMISH SHAH

**KNOW ALL BY THESE PRESENTS**, that the undersigned hereby constitutes and appoints each of David L. Stepp, Sherman G. Souther and Lisa D. Harris, signing individually, the undersigned's true and lawful attorney-in fact and agent to:

- (i) prepare execute and file, for and on behalf of the undersigned, any and all documents and filings that are required or advisable to be made with the United States Securities and Exchange Commission, any stock exchange or similar authority, under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and the rules and regulations promulgated thereunder, including without limitation (a) any Joint Filing Agreement under Rule 13d-1(k) of the Exchange Act (or any successor provision thereunder), Schedule 13D and Schedule 13G (or any successor schedules or forms adopted under the Exchange Act ) and any amendments thereto in accordance with Section 13 of the Exchange Act and the rules thereunder, and (b) Forms 3, 4 and 5 and any amendments thereto in accordance with Section 16(a) of the Exchange Act and the rules thereunder; and
- (ii) take any other action of any nature whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-infact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of undersigned, is not assuming, nor is Venrock assuming, any of the undersigned's responsibilities to comply with the Exchange Act, including without limitation Sections 13 and 16 of the Exchange Act.

This power of Attorney shall remain in full force and effect until the earliest to occur of (a) the undersigned is no longer required to file any form or document with respect to the undersigned's holdings of and transactions in securities issued by a company, (b) revocation by the undersigned in a signed writing delivered to the foregoing attorney-in-fact, or (c) until such attorney-in-fact shall no longer be employed by VR Management, LLC (or its successor).

IN WITNESS WHEREOF, the undersigned has cause this Power of Attorney to be executed as of this 13<sup>th</sup> day of February, 2017.

/s/ Nimish Shah